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OCTOBER 27, 1928.

Vol. CIX.

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"BUTTER SCOTCH" MALT & OIL

THE ACME OF QUALITY WHICH KEEPS INDEFINITELY

FOR HOME AND EXPORT

IMMEDIATE DELIVERY GUARANTEED; IN ALL PACKS (JARS, CONTAINERS, DRUMS, TINS OR BARRELS)

BUY FROM ACTUAL MALT EXTRACT MAKERS:-

C. TOLKIEN & CO. LTD.

REMOGEN WORKS - - - SILSDEN, YORKSHIRE.

TELEGRAMS: "REMOGEN," STEETON. 'PHONE: 69 STEETON.

LONDON: 'PHONE, 3539 FINCHLEY.

NO unpleasant acid flavour NO inky metallic taste — never deteriorates





FOOD

Specialty Chemical Food is just that chemical food you would like to make yourself if you had the time, plant and materials. To make good Chemical Food is a real pharmacist's art.

Specialty Chemical Food is rich in colour and flavour—soft, delicious and very agreeable to the taste. It contains pure cane sugar and combined phosphates. Supplied in bulk or bottled, and labelled as your own speciality with your own name and address.

In the best interests of your pharmacy you should send a P.C. at once for samples and prices.

ANGLO-AMERICAN OIL COMPANY, Ltd.

"SPECIALTY" DEPT.

ALBERT STREET, CAMDEN TOWN, LONDON, N.W.1

Telegrams: "NUFINJOL, NORWEST. LONDON."

Telephone: HAMPSTEAD 8066-7-8.

Telegraphic Address: " CRESSWELL, HOLB., LONDON."

Telephone: No. 1432 Holborn.

SPONGE IMPORTERS, LIMITED,

CRESSWELL BROTHERS BRANCH Sponge Importers, Exporters and Merchants, and Chamois Leather Dressers,

18 and 19 RED LION SQUARE

LONDON, W.C.1

WITH THE LARGEST STOCKS OF ALL SPONGES IMPORTED DIRECT BY US FROM THE FISHERIES AT LOWEST PRICES. WE INVITE COMPETITION.

UNBLEACHED MEDITERRANEAN SPONGES in Original Cases.

THE CONTENTS OF THE FOLLOWING CASES WILL BE PRESSED-PACKED AND SENT POST FREE TO COLONIAL AND FOREIGN BUYERS WITHIN THE RADIUS OF PARCELS POST.



HONE	YCOME
Finest and	ra Choice. Texture Shape.
	Pick of all Fisheries.
Pieces in Case.	Averas Price p Piec
300 Toile	et at 9
200 ,,	" 1
140 ,,	" 1 " 2 " 2

and	Snape		
The Pi	ick of	all	
the F	isherie	s.	
Pieces	Av	егаде	Pi
In		ерег	2.1
Case.		Piece.	C
300 Toile	t at Î	9d.	
250		1/-	
200	33	1/6	
160	99	2/-	
140	"	2/6	ł
100	99	3/-	}
100	33	2/0	1
90 Mediu	m' Rat	h 4/6	
90		5/6	}
79	99	6/6	ì
60	29	7/6	
45 Large	99	8/6	
70	99	10/6	
24	99	12/6	

Toilet & Bath.
Good 2nd
Quality.
Pieces Average
in Price per
Case. Piece.
180 at 9d.
170 ,, 1/-
160 ,, 1/2
160 ,, 1/6
150 ,, 1/9
140 ,, 2/-
120 ,, 2/6
110 , 3/-

or Daun.	
	Toilet and I
d 2nd	
- 1/4	Largest Spor
ality.	obtainable a
Average	
Price per	prices.
	TD* A
Piece.	Pieces Ave
at 9d.	in Price
,, 1/-	Case, Pie
,, 1/2	250 at 6
1/6	000 0
4/0	190 " 0
,, 2/-	160 ,, 1
,, 2/6	140 ,, 1
,, 3/-	120 ,, 1 100 ., 1
2/6	100 ,, 1
A)	
,, 4/6	90 ,, 2
- GA/D	I 80 Z

HONEYCOMB. HONEYCOMB 3rd Shape. Bath. nges t the

Pieces	A	verage
in	Pr	ice per
Case.]	Piece.
250	at	6d.
200	,,	8d.
180	,,	9d.
160	,,	1/-
140	22	1/3
120	"	1/6
100	22	1/9
90	"	2/
80	••	2/6
60	"	3/-
45	"	4/5
30	"	5/-

FINE TURKEY FINE TURKEY CUPS. SOLIDS.

1st Quality.	
PICKED SHAPES.	1
Average	
Pieces Price	SELECTED
in per	
Case. Piece.	SHAPES.
Toilet	2-4 0
Selected 300 at 1/-	* 1st Quality.
,, 250 ,, 1/3	Ave
,, 200 ,, 1/6	Pieces P
175 1/0	
150 2/	in
140 . 2/6	Case. Pi
	Nursery 200 at
,, 100 ,, 3/-	
,, 90 ,, 3/6	Toilet 150 ,,
,, 80 ,, 4/-	,, 100 ,,
70 4/6	100





SPONGES IN SMALL PACKAGES Fine Turkey, Fine Egyptian and Honeycomb. In 1st, 2nd and 3rd Qualities, Bleached or unbleached (state which in ordering). On strings of 1 dozen pieces, or loose in bags. At per doz.: 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s., 30s., 36s., 42s., 48s., 54s., 60s., 66s., 72s. Bleached Cuban. At per String or Dozen. Wool, Grass, Yellow and Fine. 1s., 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s. **LOOSE GOODS** DEPARTMENT.

AND



SERIES A: Honeycomb Sponges.

5/~ 5/6

No.		Pieces a card.	
1 1d. 2 2d. 3 3d. 4 4d. 6 6d. 9 9d. 12 1/- 18 1/6 24 2/- 30 2/6	29	12 12 12 12 6 6 6 6 6	8/- 16/- 24/- 32/- 48/- 72/- 96/- 144/- 192/- 240/-
	CEDIE		

SERIES C: Grass Sponges.

		P - 1. P - 1.	
		Pieces.	
No.	01	n-card.	gross.
	Retail		7/6
2 2d.		12	15/-
3 3d.	"	$\frac{12}{12}$	22/6 30/-
4 4d.	,,	6	45/-
9 9d.		6	67/6
12 1/-	**	6	90/-

SERIES B : Turkey Spanger

Bath Selected

		Lan.Poo	
	I	Pieces.	Per
No.		card.	
1 ld.	Retai!	12	8/-
2 2d.	19	12	16/-
2 2d. 3 3d.	22	12	24/-
4 4d.	,,	12	32/-
6 6d.	27	6	48/-
9 9d.		6 .	72/-
12 1/-	22	6	96/
18 1/6	39	6	144/-
24 2/-	22	6	192/-
		6	240/-
30 2/6		D	240/-
			10

SERIES E:

		elast s	ponges	•
			Pieces	Per
No			n card.	gross.
1	ld.	Retail	12	7/6
	2d.	32	12	15/-
	3d.	"	12	22/6
4	4d.	"	12	30/-
6	6d.	19	6	45/-
9	9d.	,,	6	67/6
12	1/-		6	90/-



SELECTED FINE CUBAN.

		For	Nursery	and	Toilet	Uses.		
AA	Round	Solids,	containing		pieces		2/- p	er box
· A	. 22	99	99	12	99	• •	2/-	11
В	99	22	29	12	29	• •	3/-	29
C	33	99	99	12 12	99	• •	4/6	19
D	39	33	99	12	29	• •	8/_	,,
El	39	99	13	12	39	• •	12/-	12
E2 E3	>>	97	"	6		• •	8/	29
130	22	,,	11		33			**

SPECIAL LINE CHEAP CUBAN.

HC	1	Half	Shapes	. 8	dozen	in box			12/-	per box
33			,, .	´ 5	. 22	99			12/6	,,
22	3		22 '	3	33	19	• •	• •	10/6	>9

NEW FINE ANCLOTE.

			rui ionet a					*CI Y	qui apic.	
	No.	20	Containing		pieces,	uniform	size		9/- per	box
	,,	21	1)	24	99	33			8/- ,,	
	22	22	11	24	29	. ,,		• •	12/- ,,	
•	29	23	**	24	>>	. ,,			18/- ,,	
	33	24	.,,	24	32				24/- ,,	

NEW ANCLOTE HONEYCOMB. Velvet Quality. Very soft and durable for Toilet and Domestic Use.

			anu	DUI	11COLIC	U SC.				
	Large	for	money,		pieces				9/-	per box
02	,,,		22	24	"	• •	4	• •	8/-	39
03	,,,		22	24 24	22	• •		• •	12/-	"
05	29		99	12	79	• •		• •	12/-	>>
00	9.9		9.0	14	11					37

GREAT "LARGE SPACE" NEW ADVERTISING CAMPAIGN HAS NOW DEFINITELY COMMENCED

THE Great New "Follow-on" Advertising Campaign has now definitely commenced—the first of the series having appeared in some of the papers yesterday.

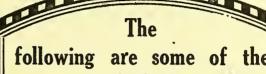
BIG SPACES APPEARING REGULARLY

The space occupied by ALL advertisements will be II inches deep by $6\frac{3}{4}$ inches wide (II inches across columns) and these advertisements will be appearing every week.

If you are not yet carrying a stock of New Mix, now is the time to show your customers that you are definitely associating yourself with this great National Advertising Campaign and supply their needs and not refuse them.

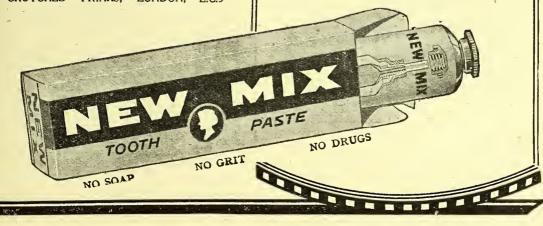
In Two Sizes - 1/6 & 2/-

GILMONT PRODUCTS, Ltd. 35 CRUTCHED FRIARS, LONDON, E.C.3



following are some of the papers in which New Mix Advertising is appearing regularly.

Daily Mail, Daily Express, Daily News, Evening News, Evening Standard, Daily Mirror, Daily Sketch, Daily Dispatch (Manchester), Belfast Evening Telegraph, Belfast News Letter, Irish Daily Independent, Irish Weekly Independent, Irish Daily Times, Dublin Evening Herald, Cork Evening Echo, Cork Daily Examiner, Aberdeen Evening Express, Edinburgh Evening News, Glasgow Daily Record, Dundee Daily News, John Bull, etc., etc.



A Booklet which will bring Business

HE Rubber Growers' Association has recently published a booklet entitled "Rubber in the Home," setting forth in detail the various domestic applications of Rubber. This booklet has been circulated to all shareholders in rubber producing companies numbering over 230,000, and as a result numerous requests have been received for some indication of sources of supply. It will be appreciated that it is extremely difficult in the space available in the booklet to publish a complete index of manufacturers, distributors and retail dealers throughout the country.

In order that the various trades which handle the rubber products described in the booklet shall have the benefit of these enquiries it has been decided that reprints of the subject matter shall be available for manufacturers, wholesale firms and retailestablishments in those trades which are affected. The booklet, which con ains 52 pages, is profusely illustrated and can be supplied with or without the covers. As there will be no advertisements, wholesale and retail firms will be able to insert their own individual advertisement matter if desired.

The Association is prepared to supply reprints at the following rates:

Without cover .. £2 10 0 per thousand With cover £3 5 0 ,, ,

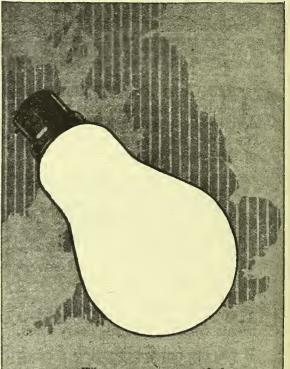
Specimen copies of the booklet can be obtained

by filling in the coupon on this page.

In addition to the above a series of counter and window display material is in course of preparation dealing with specific rubber commodities. These sales aids will be available shortly and will be supplied free of charge. Any firm desirous of obtaining these sales aids should write for further particulars to the Secretary, The Rubber Growers' Association, Inc., 2, 3 & 4, Idol Lane, Eastcheap, E.C.3.

	COUPON Please forward sample copy of "Rubber in the Home."
	Name
	Address
I	
	State whether manufacturer, wholesaler or retailer
1	and nature of business

IN EVERY CORNER BRITISH ISLES-



Wherever you go, you find offices, warehouses, factories in every corner of the British Isles equipped with Mazda Lamps!

The Mazda filament possesses a most valuable characteristic it does not lose its brilliance. This "light maintenance" results in greater efficiency, because you are getting full value for every unit of electricity registered by your meter.

Ask for full particulars of Reduced Prices of Mazda Lamps.





The British Thomson-Houston Co., Ltd. Crown House, Aldwych, London, W.C.2

2966

Maws



Page

Maw's Ointments

 $\frac{1}{2}$ -oz. tins,

per gross - 11/-

l oz. tins, per gross - 20/-

2 oz. tins,

per gross - 36/-

per dozen - 2/8

2 oz. pots, per dozen - 4/-

Tubes,

per dozen - 3/9

In Tins, Pots and Tubes

Maw's Ointments in tins, pots and tubes find a ready market on account of their cleanly, attractive appearance, and do credit to the pharmacist who sells them. Further, every sale yields a fair margin of profit, and ensures such satisfaction as will certainly ensure repeat orders.

Make up your order from the following list:

Cold Cream, Zinc, Boracic, Cocoanut Oil, -Carbolic, Yellow Basilicon, Sulphur, Healing, White Precipitate, Nursery Pomade, Lanoline

Cold Cream, Zinc, Boracic, Cocoanut
Oil Carbolic, Yellow Basilicon,
Sulphur

Cold Cream, Zinc, Boracic, Cocoanut Oil, Carbolic, Yellow Basilicon, Sulphur, Healing, White Precipitate, Nursery Pomade, Lanoline

Cold Cream, Lanoline, Zinc, Boracic - - - - - - -

Camphor Ice—½ oz. tins, per gross 11/-; 1 cz. tins, per gross 20/-

Camphor and Eucalyptus Ice—½ oz. tins, per gross 11/-;
l oz. tins, per gross 20/-







S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,



The busy
Pharmacist
Doesn't



Often gush about
Moorland Heart Shape...
Only rarely do we
Receive an embossed
Resolution of thanks
But most of them
Buy more & more
Each week.

they sell so they because they profits.

It's probably because they profits.

The probably because they profits.

The probably because they profits.

The probably because they sell so profits.

The probably because they sold profits they sold profits.

The probably because they sold profits they sold profits

THE PHOTOGRAPHIC SUCCESS OF 1928

COLOURED ENLARGEMENTS

FROM AMATEURS' NEGATIVES.

Post 1/6

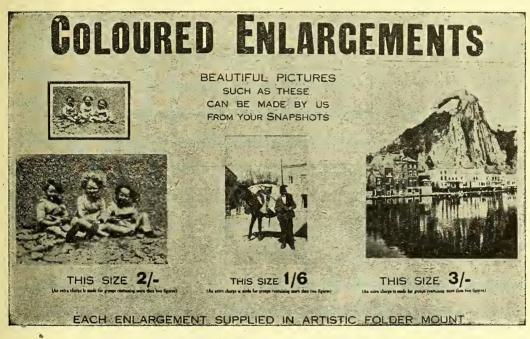
 $\frac{\frac{1}{2} \text{ Piate}}{6\frac{1}{2} \times 4\frac{3}{4}} \ 2/-$

8½×6½ 3/-

Trade Discount, 331.

SPECIAL OFFER TO CHEMISTS.

To every chemist sending an opening order for coloured enlargements, value not less than 3/-, we will SUPPLY FREE the showcard reproduced below, exhibiting three coloured enlargements.



For Free Showcard

Please fill this in and enclose with order

Name

Address

N.B.—
Only on card can be supplied FREE.
Additional cards

Size of Card with Three Coloured Enlargements, 22" × 142".

These enlargements have only been introduced in a few districts. You may be the first chemist to handle them in your own. From now until Christmas is the best time for pushing enlargements. Enlargement selling is a profitable business requiring no stock or outlay.

EVERY DESCRIPTION OF PHOTOGRAPHIC WORK UNDERTAKEN

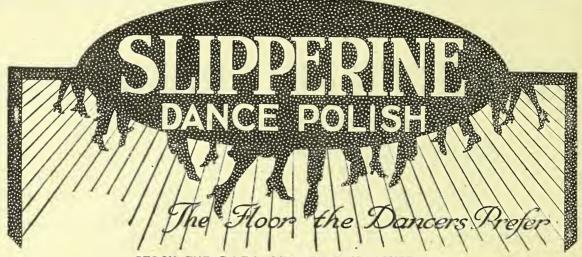
PLEASE WRITE FOR PRICE LIST AND FULL PARTICULARS.

UNITED PHOTOGRAPHERS, LTD.

80-82 SEEL STREET, LIVERPOOL

708 Chester Road, Stretford, MANCHESTER.

Crown Street, LEEDS



ASKED FOR.

DECORATED TINS. P.A.T.A.

1/6 size at 12/- dozen 2/6 ,, ,, 20/- ,, 10/6 7 lb. " 96/-

Under £3, nett one month; £3, less 2½% one month; £6, less 5% one month.
Carriage Paid £3. Cases fr
STRIKING SHOW MATERIAL. Cases free.

SINGLE STANDARD CASES. CARRIAGE PAID.

Case	1/6	2/6	Cash	Case	1/6	2/6	10/6	Cash		
A	24	-	24/-	D	_	-	4	32/-		
В	12	6	22/-	Н	12		1	20/-		
C	12	12	32/-	J	_	9	2	31/-		
G		18	39/-	K	6	6	2	32/-		
Distributors for England and Irish Free State: Makers:										

Distributors for England and Irish Free State:
A. de ST. DALMAS & CO., LTD.,
Leicester, London and Dublin

JOHNSTON & ADAMS, Dundee, Scotland Export: WM. C RUDKIN & CO., 44 King William Street. E.C.

Nett Cash.



Series

APITALISING



MANUFACTURING HOUSE like Avrton's quickly feels the public pulse of popularity, and we pass on to you (as is our duty) the information that all over the Country the public are consuming large quantities of

GLYCERINE, HONEY AND LEMON. LINSEED, HOREHOUND AND HONEY,

and

AYRTON'S HERBAL COUGH CANDY.

GLYCERINE. HONEY

A bright and attractive lemon appearance, with a palate-appeal which attracts adults and children. Quickly relieves a stubborn cough. Packed in the famous "Ayrton Oval" with choice of 7 styles of labels, including Ayrton's Reservable

Red and green letterpress label on lemon-coloured paper.

Black letterpress on tinted panel, printed on white paper. Style B.

Style C. Cut-out label reproducing the shape and appearance of a lemon with effective script

Reservable Series. "Mortar," "Star," "Anchor," or "Purple Key" designs, reserved exclusively to you within a radius of two miles.

All styles can be supplied under Chem'st's own name for orders of not less than 3 dozen. May be had in Panelled Bottles if desired.

> Uncartoned, 3 oz., 6/6 per dozen. 6 oz., 8/6 per dozen.

A well-compounded product from ingredients of proved value, and utmost quality. Heals and soothes all chest complaints, and cuts a cough when other means fail. In 5 styles, each with own name on not less than 3 dozen.

Style A. Clear letterpress on bright orange panel printed on white paper, and reserving a white panel for the effective display of the Chemist's own name.

Reservable Series. "Mortar," "Star," "Anchor," or "Purple Key" reserved exclusively to

the buyer within a radius of two miles of his premises.

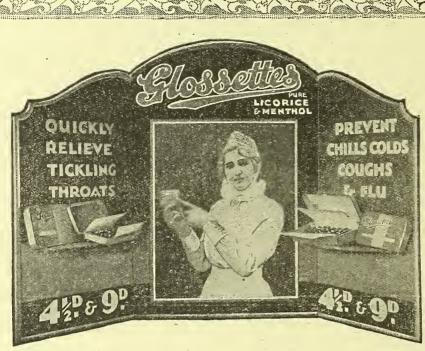
2 oz. 3 oz. 4 oz. Cartoned (strongly printed with black and orange design) 9/6 per dozen. Uneartoned

AYRTON'S HERBAL COUGH

The price reduction to 41d. per quarter lb. has made Cough Candy the medicinal sweetment with the most phenomenal sale. In all parts of the country "a ewt. over the week-end" is the rule rather than the exception.

Free Show Jar, Window Display and Candy Bags.

Per lb., 11d. 28 lb. @ 10d. 56 lb. @ 91d. 112 lb. @ 9d. Sample 4-lb. box sent post free for 3/6 to any trading Chemist.



One piece of the display. An embossed screen in Red, Black and Gold. Centre picture is a mounted, sepia-tinted gravure.

A DISPLAY OF EXCELLENCE.

AN ELEGANT **PHARMACEUTICAL** PREPARATION.

AN ENLIGHTENMENT AS TO PROFIT.

3 sizes, 3d. $4\frac{1}{2}$ d. & 9d.

Show material for all or either. Bonus or payment for display.

Please send NOW for details.



LONDON DEPOT Plantain Place. Crosby Row. Boro. S.E. Phone. HOP. 2668.

ERNEST JACKSON & C. ITP.

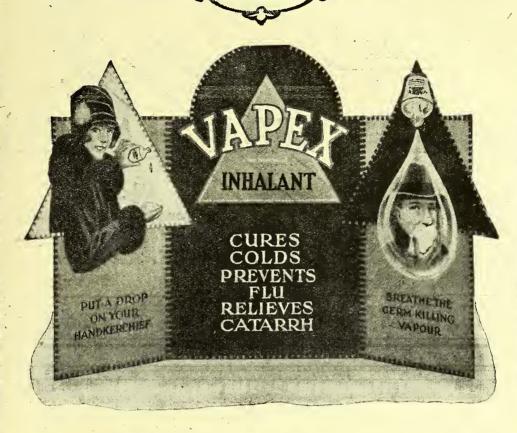
MANUFACTURING CHEMISTS

Mahers of Lozenĝes, Pastilles & Compressed Tablets

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Reminding Passers-by to BUY NOW!

THIS year "Vapex" Press Advertising has been reaching a wider public than ever before. Now, with the approach of winter, larger spaces and more frequent insertions are being used in over fifty periodicals of national and international circulation. This striking display in your window will act as a timely reminder to buy "here and NOW!" It drives home the "Vapex" message at a glance.

Special terms for Window Display-Full particulars on request

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents
Wm. ALFRED JONES Ltd., West India House, Liverpool.

THOMAS KERFOOT & COLON BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1 ESTABLISHED 1797.

C/731

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LONDON DEPOT: 1 SWAN STREET, MINORIES, E.1

Telephone: ROYAL 8111.





IODISED THROAT TABLETS



 $8\frac{1}{2}$ d. Tins 5/6 per doz. 63/ \sim per gross

1s. 3d. Tins

9/6 per doz.

108/= per gross

THOS. GUEST & CO., LTD., CARRUTHERS STREET, ANCOATS, MANCHESTER.

PRINTING

by

Alf. Harrison & Sons, Ltd.

LABELS, ENVELOPES, CARTONS AND EVERY KIND OF PRINTING IN USE BY PHARMACISTS :: :: SAMPLES AND QUOTATIONS FREE :: ::

Alf. Harrison & Sons, Ltd.

Burley Rd., Leeds & Sentinel House, Southampton Row, London, W.C.1
PHONE: HEADINGLEY 51974. GRAMS: "IDEAS, LEEDS."

EG of ROBOLDING

for £5

Any chemist who undertakes to make a fortnight's window display of Roboleine and places an order for £5 net value (made up in any sizes) will receive an additional £1 worth free, together with a supply of samples, literature and display matter. The consignment will be sent carriage paid, in a free case.

Roboleine has no opposition to overcome. It has been on the market 22 years and has an established position with Doctors and with the public. And this winter it is being advertised as never before, in all the great national dailies, in the leading provincial newspapers and in a long list of Women's papers. 127,684,000 large advertisements will appear between the beginning of October and the end of April.

Roboleine is going to be a best-seller this winter. Now is the time to make sure and get a good share of the increased trade.

Roboleine

CONCENTRATED NOURISHMENT
IN EVERY SPOONFUL

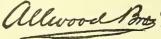
OPPENHEIMER, SON & CO., LTD, 179, Queen Victoria Street, London, R.C.4





marketed by the World's leading growers of Carnations.

Write for Trade Prices and full information to :-



Liberal Discount

> The Leading Carnation Raisers and Specialists in the World.

HAYWARDS HEATH, SUSSEX

Chemical Works Flora DUBENDORF, ZURICH SWITZERLAND

Manufacturers of

SYNTHETIC & AROMATIC **CHEMICALS**

HIOROPHYLL SOLUBLE SAMPLES ON APPLICATION.

IN LONDON.

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To-day's best investment—a case of



(Reigate Standard Mint)

English re-distilled and blended PEPPERMINT OIL



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Schimmel & Co.

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PUMILIONIS PINE OIL CINNAMON BARK OIL Genuine

SIBERIAN PINE OIL
PEPPERMINT OIL
All grades

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Messrs. FREDK. BOEHM, LTD., 17 Jewry Street, LONDON, E.C.3.

Scottish Office: 140 West George Street, GLASGOW.

Some reasons

WHY YOU SHOULD SELL

Nuctone

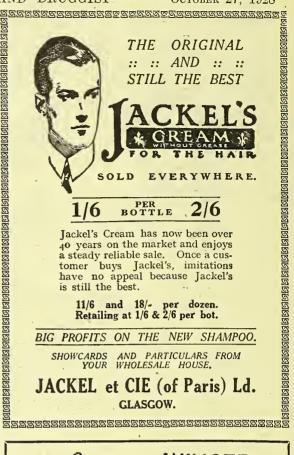
- 1 NUCTONE is safe; guaranteed free from para or any other harmful ingredient. It is antiseptic, and cannot possibly harm the most sensitive skin.
- 2. NUCTONE is the ideal hometreatment; gradual in its action, easy to apply, and giving natural, permanent results that are always satisfactory. the only modern preparation for hair colouring that enables the hair to be treated in every way as before recoloration.
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Order through your usual wholesaler or from

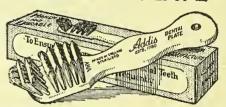
J. C. GAMBLES & CO., LTD. 211 Blackfriars Rd., London, E.C.1

Manufactured by:

Stewart, Goodall & Dunlop, Ltd. 4 Dering Street, London, W.1



WINCED DENTAL



BRUSH WORKS, HERTFORD ENGLAND.

When customers ask for a colour-restorer for grey hair, or a tonic to stop falling or to promote growth, offer

MORGAN'S POMADE

You may do so in full confidence that it will perform what it promises. 35 years' reputation, a world-wide trade, and thousands of testimonials support its claims to genuine merit.

Retail 1/9 and 3/3 per pot. Wholesale 14/- and 26/- per doz.

THE MARIE ANTOINETTE CO. 149 JUNCTION ROAD LONDON, N.19



Made with the expressed juices of living plants.

Made neither in FRANCE nor SPAIN but in SCOTLAND-

The land of the mountain and flood—The land of the heather and the exhilarating Northern air—These soaps will justify your recommendation. Your customers will come back for more and thank you.

These new Health and Healing Soaps work on an entirely new principle. They do not kill germs, but so cleanse and promote the health of the skin tissues that disease germs cannot live in them. This is the sensible and scientific way of dealing with germs.

"The Proof o' the Puddin's the Preein' o't"

So to encourage you to put this to the proof we are continuing our special BONUS offer for another month.

Every purchaser of parcel as below will be given ONE DOZEN H.B.T. ASEPTIC SHAVING SOAP FREE.

A Special Offer

12 Boxes — 3 Tablets— H.B.T. A S E P T I C TOILET SOAP, 2/3 3 doz. Tablets—in wooden box — H.B.T. ASEP-TIC TOILET SOAP,9d. 1 doz. H.B.T. ASEPTIC SHAVING SOAP, 1/-103

9 0 nett £2 9 6

This parcel will be sent Carriage Paid to any address in Great Britain. Send direct or through your usual Wholesale House. Don't delay. Orders executed in rotation.

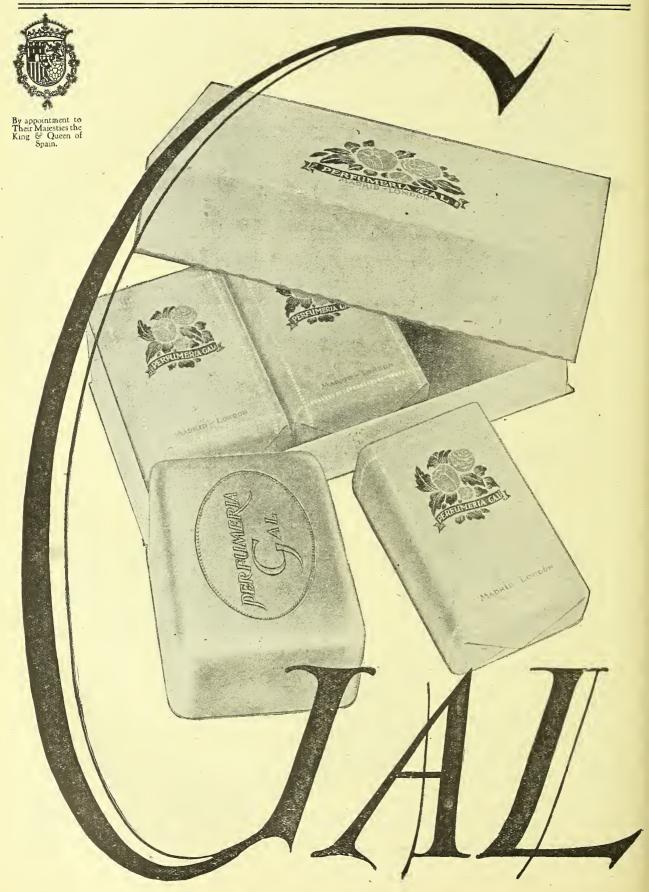
The Cost of this parcel to you is £2 9 6. Your profit is £1 8 6.

HUNTER BEATTIE 25 MONTEITH ROW, GLASGOW, S.E.

Npte the British Commercial Monomark on each Tablet, B.C.M./H.B.T.

Sole Agents for Northern Ireland: SHAW & JAMISON LIMITED, BELFAST





Spain Introduces a New Toilet Soap

YOUR POSITION demands a high standard of professional ethics and commercial practice. Your technical training makes you the confidant of many people. Your success requires that your products be right, popular, profitable. These three fundamentals are assured you in GAL—a toilet soap which is to=day the favourite of the beautiful women of Spain, including the Queen of Spain and the noted beauties of the Spanish Court.

GAL toilet soap is made with the finest Spanish olive oil. Its perfume is exclusive to itself—an exotic subtle fragrance which lives in the heart of the soap and endures for the life of the tablet.

GAL toilet soap, long famous in Spain, is now being introduced to this market in a manner belitting its distinguished position. An exquisite soap, at a popular price, with a capacity to please which will bring increasing sales.

Note that day: From then onwards the following publications will contain full page advertisements, some in three colours, for GAL, TOILET SOAP.

NASH'S, EVE SKETCH, GRAPHIC TATLER WOMAN'S JOURNAL BYSTANDER, VOGUE QUEEN, PUNCH LADY GOOD HOUSEKEEPING



This great list of magazines will be constantly advertising GAL—creating sales for you—at the unusually large profits GAL offers you.

GAL, WILL BE,
FAMOUS IN THE WORLD
OF REFINEMENT
BEFORE CHRISTMAS
FOR GAL, TOILET SOAP
IS AN IDEAL, CHRISTMAS
GIFT
AND A NEW ONE

TRADE TERMS

GAL toilet soap retails at 18, per tablet, and 28, 9d. per box of three. The price to you is 118, per dozen tablets, less 33\frac{1}{3} per cent. discount P.A.T.A. From your usual wholesaler, or if you experience any difficulty write direct, mentioning the name of your usual supplier, to

PERFUMERIA GAL (London) LTD., 76 STRAND, LONDON, W.C.

MERCOLIZED

for the Complexion

and

STALL

: a Shampoo:

TWO substantial and well-advertised lines which show a handsome profit to the Retailer, and, moreover, may be stocked fearlessly owing to the Manufacturers' most liberal Sale or Return Guarantee.

Both are obtainable in two sizes, and their reputation and sterling value assure a steady turnover.

Order through your Wholesaler, or direct from:

DEARBORN (1923) LIMITED 37 GRAY'S INN ROAD. LONDON, W.C.1.

COST doz.

SELLS

6d.

Profit

Cost

IN ALUMINIUM TINS. 9d. size 4s. 6d. per doz.

FREER'S LYSOL SHAVING STICK, FREER'S DENTAL CREAM, and several other lines.

Carriage and Packing FREE. Monthly a/cs. SPECIAL QUOTATIONS for WHOLESALERS, SHIPPERS and LARGE BUYERS.

Write for Sample Tins.

MFG. CO.

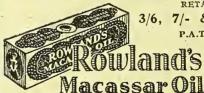
6/7 Norton Folgate, Bishopsgate, London, E.C.

Phone: Bishopsgate 2209.

For 135 years

Rowland's Macassar Oil has been a favourite dressing for the hair. It keeps the hair healthy, and prevents the encroachment of greyness and baldness.

Of all Wholesalers.



RETAIL 3/6, 7/- & 10/6 P.A.T.A.

> dark hair Golden

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

SELL BRITISH BLADES.

CHARTUS

GILLETTE TYPE, Unequalled for Value, MADE IN ENGLAND.

Retail at 1/- per packet of 10 blades.

TRY A SAMPLE BOX obtainable from your wholesaler at 6/3 per box of 100 Blades, or from

$\mathbf{M} \mathbf{B}$ SERVICE. BLADE

7 Charterhouse Buildings, London. E.C.1.
Branches at 34 Call Lane, LEEDS: 52 Howard Street, GLASGOW;
11 Fishamble Street, DUBLIN.

Sole Irish Free State Agency and Stock Depot:

SOLWAYE FRERES, 11 & 11a Fishamble Street, DUBLIN
IRISH FREE STATE PRICE — 7/- per box, 1/3 per packet of 10.



THE CHEMIST AND DRUGGIST OCTOBER 27, 1928 CWE supply the exquisite L'Aiglon POCKET SPRAYS LIP STICKS POUDRIERS CREAM BOXES MADE BY PARIS In chased gilt, galalith, enamel, mother-of-pearl, silver, etc. They can be supplied separately or in cases holding two, three or four pieces. If you will drop us a line our representative will call at the earliest possible time. SPURWAY et Cie. Ltd. 89 Great Eastern Street SPURWAY et Cie. Ltd. 89 Great Eastern Street LONDON, E.C.2 Phone: Bishopsgate 1372. Wires: "Neroli, London."

ZCOPPOCOPPORODO COPOCO POCO COPOCO PO COPOCO PO COPOCO POCO POCO POCO POCO POCO POCOPPO POCOPP



HE NEW EYE BEAUTIFIER PERM BROW" is here to stay!

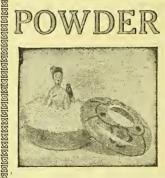
DERM BROW, the new liquid waterproof or ye br ow beautifier, blackens eyebrows and lashes to an alluring darkness, and being darkness, and being waterproof it stays on. Its unique qualities have influenced recommendation and repeat orders from almost every nser. Get a stock to-day, and give it a display—profits will come easily.

18/-

MIRUS LTD. 57 Carleton Rd.,

2/9 per bottle Obtainable from all Wholesale Houses or direct from :— LONDON, N.7.

• ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ



Latest Novelties

WILLIAMSON BROS. LTD.

177 SOUTHWARK BRIDGE RD., S.E.1

Hop 3419

Chemist and Druggist SUPPLEMENT

is an infallible help when you want to buy or sell a business, secure an agency, an assistant or a situation, or

SELL SURPLUS STOCKS.

The Tariff is printed on the front cover of the Coloured Supplement.

Address all inquiries to-

The Publisher: THE CHEMIST AND DRUGGIST 42 Cannon Street, LONDON, E.C.4.



Maker of perfumes since 1775



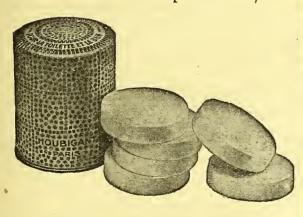
PERFUMERY "MOSAIC" SERIES for the BATH

BATH SOAP

11/9 per dozen, Wholesale. To Retail at per cake 1/6

EFFERVESCENT BATH SALTS

(In Boxes of 6 Tablets.) 17/7 per dozen, Wholesale. In Quelques Fleurs and other Perfumes. To Retail at per box 2/3



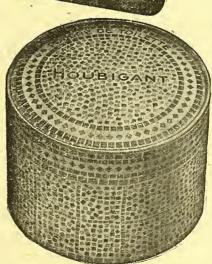
Send for our COMPLETE PRICE LISTS

PARFUMERIES DE PARIS LTD.

Larden Road, London, W.3

'Phone: Chiswick 1525. Telegrams: Pariparfum, Act, London.

VISIT OUR SHOWROOMS AT 90 REGENT ST., LONDON, W.1



BATH POWDER

39/- per dozen, Wholesale. In Quelques Fleurs and other Perfumes. To Retail at 5/-

SEE THAT YOU GET MYSORE GOVERNMENT

SANDALWOOD OIL

DISTILLED FROM SANTALUM ALBUM, LINN.

THIS IS YOUR



GUARANTEE

Send all enquiries to:

Telegrams:

"Ekdum," Phone,

K. B. MAVLANKAR

98 Great Tower St., E.C.3

Telephone: Royal 4987





KEEN BLADE AT A KEEN PRICE

The Blade that SELLS as it SHAVES—"LIKE GREASED LIGHTNING!"

Obtainable from all Leading Wholesalers. Inquiries from Genuine Wholesalers only are Invited.

Dept. C.D. "Wanie" Distributors:
c/o ROEBUCK'S ADVERTISING SERVICE
Salisbury Square House, Salisbury Sq., Fleet St., London, E.C.4







DO YOU STOCK THE FOLLOWING "QUICK SELLERS"?

- "HARLENE" for the Hair
- "CREMEX" Shampoo Powders
- "UZON" Brilliantine
- "ASTOL" for Grey Hair
- "JUNOFLORIS" SPRING BREATH
- "JUNOFLORIS" Dentifrice
- "ASTINE" Vanishing Cream
- "ASTINE" Tooth Cream
- "ASTINE" Shaving Stick
- "ASTINE" Nail Cream
- "HARLENE" Hair Fixative
- "HARLENE" Wave Setting Lotion

Always In Full "Sale"!

EDWARDS'

HARLENE

TOILET PREPARATIONS

There is never a lull in the "Trade Wind" that keeps these World-Famous Toilet Preparations in full "Sale." The Excellence of the Products themselves, coupled with the Extensive and Continuous Advertising Compalgn, keeps the "Trade Wind" always at full strength.

Thousands of new customers are introduced every week!

No Chemist or Store can afford to be without these World's Record Sellers!



For Full Particulars, Terms, etc., write to:-

EDWARDS' HARLENE LTD.

20, 22, 24 & 26 LAMB'S CONDUIT STREET, LONDON, W.C.1



The brushes are made in eight models, retailing from 36 to 18/6, all subject to generous discounts. Can be supplied through your usual wholesaler.

MASON PEARSON SELL-ING AGENCY, LTD., 59 New Oxford Street, London, W.C.1.

Sell your Customers what they need and you will never need for Customers!

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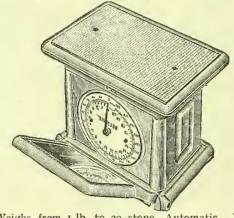
The manufacturers of the "MASON PLARSON" Hair Brush do not manufacture or sell Electric Combs of any description, neither are they connected in any way with the sale of any such combs. The "MASON PEARSON" Hair Brush sells on its 40 years' reputation for being the best hair brush that money can buy. It resells on its merits, thus bringing repeat orders and continuous business.

The range of colours and styles enables you to recommend the "MASON PEARSON" for every hair brushing need, and for every individual taste.

MASON PEARSON HAIR-BRUSH

THE "BELMONT"

PERSONAL WEIGHING MACHINE



Weights from 1 lb. to 20 stone. Automatic. No Weights required. Weight of machine 20½ lbs.

EXPORT PRICE 22/6 F.O.B. LONDON

(Smallest number shipped six machines.)
This machine can be exported to ANY COUNTRY IN
THE WORLD where weighing machines are admitted

ALBERT C. SHOPPEE, LTD.

(Wholesale and Export only)

Belmont Street, Chalk Farm, LONDON, N.W.1.

BUTYWAVE SHAMPOO

The more you sell the more you sell

¹/₂ Gross Costs 21/7 PROFIT 17/5

Can I send you Posters, Showcards & Cut Outs?

W. Fletcher, M.P.S., Manager, The Butywave Co., 10 Tachbrook St., London, S.W.

Telephone: Victoria 5554.

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for

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for

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from the highest quality Crucible Steel it is possible for us to produce and are British from Start to Finish.



Obtainable from your usual wholesaler or direct from the actual makers:

JAMES NEILL & CO. (Sheffield), LTD., Steel Manufacturers, Napier St., SHEFFIELD.



G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

EST RUSHES

Please write for full Particulars to-

75 FARRINGDON ROAD, E.C.1.



THE Autowa

requires no personal attention. Ladies resent personal attention—when on a weighing machine.

Your customers will pay for your

utoway

Will you allow them?

No modern Chemist's premises are complete without this handsome and interesting machine.

> Installation terms are made easy. Send for our system of extended payments.

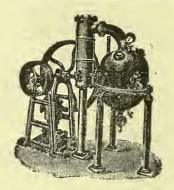
'Phone : Cent. 59. 13 WELLINGTON STREET, GLASGOW.

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Agents everywhere, including-

London, Liverpool, Manchester, Sheffield, Leeds, Newcastle, Leicester, Nottingham, Northampton, Cardiff, Portsmouth, Belfast, Dublin.





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EVAPORATING PANS.

AUTOCLAVES AND DIGES ORS.

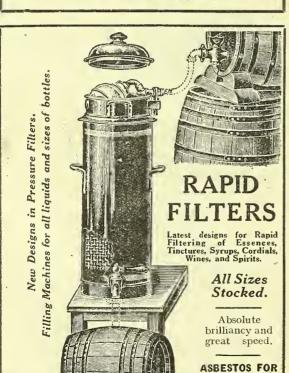
SPECIAL APPARATUS AND PLANT

SOLE MAKERS of BENNETT'S PATENT 'IDEAL'
ANNULAR FILM CONDENSERS.
SHEARS' PATENT MULSER.

FOR MANUFACTURING CHEMISTS.

BENNETT, SONS & SHEARS, LTD.

43 & 44 Shoe Lane, LONDON, E.C. 4.



JNO. P. JACKSON & CO., LTD.

POWNALL SQUARE, LIVERPOOL

FILTERING

2/- per lb.

DISTILLED WATER



Brown's Stills are perfectly automatic. Can be run night and day without attention. Patented in U.K. and Continental Countries.

Extraordinarily efficient and economical. Made for gas, steam, oil or coke fire heating. Full particulars and prices free on application

BROWN & SON,

Alembic Works,

Wedmore Street, Holloway, N.19

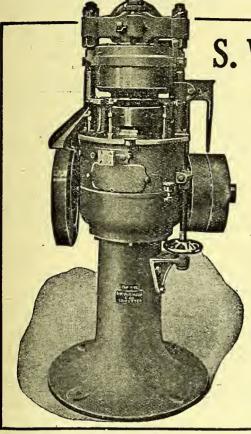
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A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly...Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only commor sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to- .

OSCAR SCRUTON & CO., YORK



S. W. WILKINSON & CO.

ROAD. LEICESTER. WESTERN

Rotary Tablet Machines

These Machines are now made in 4 sizes:

12-Punch Ordinary for Tablets from 3" to 3" diameter. Output 400 per min.

20-Punch Ordinary for Tablets from \(\frac{1}{4}''\) to \(\frac{1}{2}''\) diameter.

Output 700 per min.

12-Punch Heavy for thick Tablets and Blocks

1" diameter. Output 250 per min. 18-Punch Heavy for thick Tablets and Blocks
1" diameter. Output 400 per min.

LISTS ON APPLICATION.

SINGLE punch machines made in 5 sizes for tablets from $\frac{1}{8}$ " to $1\frac{1}{2}$ " diameter, also lozenges.

MACHINES FOR BATH SALT **TABLETS**

"ATLAS"



Porcelain or Silex Lined. Batteries of Jars for small quantities. Flint Pebbles, Porcelain, Brass, Steel or Hardwood Balls, also spare Porcelain Jars and Liners supplied.

BRITISH MADE THROUGHOUT

Specialists in Breaking, Grinding, Sifting, Drylng, and Mixing Machines.

HIND & LUND, LTD. Atlas Works, PRESTON.

Telegrams: "ATLAS, PRESTON."

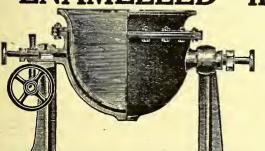
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LIMITED.

Carboy Hamper Manufacturers, BOLTON.



ENAMELLE IRON



Suitable for all Temperatures and Pressures

DANTO ROGEAT

33-39 Chemin des Culattes, LYONS, France.

Suppliers before the war to the largest European Manufacturers of Chemical Products.

Write for Price List to Sole Representative:

H. SLOOG, 45 Great Marlborough Street, LONDON, W.1. Telep.: Regent 2460.

ORNER'S

have 80 years' reputation as a remedy for Accidents and Animal Ailments.

Protected Retail Price Wholesale

2/9 per bottle. 24/- per doz.

P.A.T.A. Nett 1 month.

Carriage Paid on 3 dozen Lots.

EVANS, GADD & CO., LTD., having the sole proprietary rights in the above excellent and well-known article, are prepared to appoint Agents on liberal Terms.

For Window Show Terms, apply to

EVANS, GADD & CO., LTD.

REDCLIFF STREET, BRISTOL, and FORE STREET, EXETER.

HARVEY'S

Watts' Embrocation, or Curb Bottle. Aconite Powders. Worm & Condition Powders. Watts' Red Lotion. Hair-Restoring Ointment. Edos, or Tasteless Purging Powder.

HARVEY'S

Great

Protected Prices (P. A. T. A.)

Remedies for the Horse



HARVEY'S

Koppos Powder. Parasiticide. Thrush Specific. Hoof Ointment. Hair Restorer (Human).

Of all the leading Druggists' Sundries Houses HARVEY & COMPANY, Ltd., Dublin

Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND

ANYSZ

Retail Price (protected).

Virus for Rats and Mice, single tube, 2/3 tubes, 5/Virus for Mice only - single tube, 1/6
3 tubes, 3/Date-expired tubes returned to us postage free of charge.

Net Wholesale Price
15/- per doz.
9/- ,, ,,
9/- ,, ,,
will be exchanged

Danysz Virus in Liquid Form

Retail Price.
Quart Bottles 6,- each
Pint ,, 4/6 ,, Wholesale Price 4/6 each 3/9 ,,

HALLER'S EXTRACT OF SOUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33\\$% cash with order.

Retail Monthly a/c Cash with order i gall tins ... 10/-1 ... 18/-5 80/-7/6 13/6

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (protected).

In tins 3d.

, 6d.

, 1/2

, 1/2

, 2/6

Blackbeetles, Cockroaches, Crickets, &c.

Wholesale prices per doz.

In boxes of 2 doz. 2/1

, 1 , 3/8

, 1 , 7/3

, 1 , 18/ Danzo Beetle Powder will not deteriorate by keeping.
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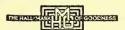
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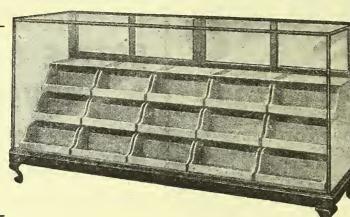
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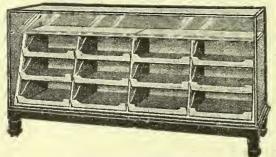
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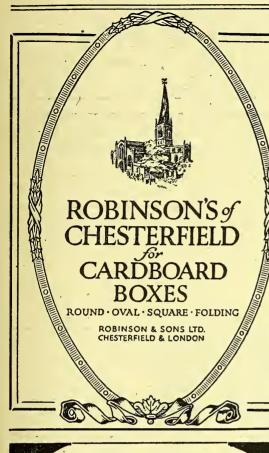
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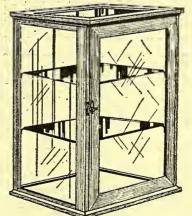
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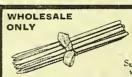
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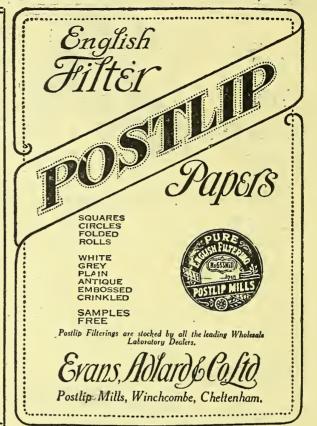
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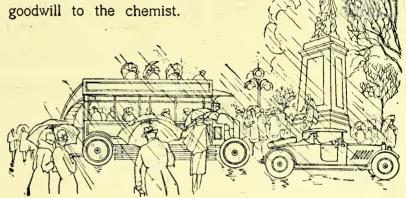
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Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, October 31

Liverpool Chemists' Association, Large Ballroom, Adelphi Hotel (entrance Brownlow Hill), at 7.30 p.m. Annual smoking concert. Speakers, Mr. L. Moreton Parry and Mr. H. N. Linstead. Tickets 2s. 6d. each.

Thursday, November 1

Pharmaceutical Society of Great Britain, Newcastle District and Northumberland Branch, County Hotel, Neville Street, New-castle-upon-Tyne, at 8 p.m. Presidential address by Mr. R. Pool.

BRITISH INDUSTRIES FAIR.—Bookings of stand space in the London section of the British Industries Fair, to be held at White City from February 18 to March 1, 1929, exceed the record figure of 257,000 square feet at the last Fair.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Society of Medical Officers of Health

The annual meeting of the Society of Medical Officers of Health was held in London on October 19. Among the items in the agenda was a paper by Dr. J. Howard-Jones, Newport, Mon., on "The Rôle of the General Practitioner and of the Specialist in Preventive Medicine." Dr. Howard-Jones expressed the view that preventive medicine would have made far greater progress. ventive medicine would have made far greater progress towards producing the healthy nation if the National Insurance Act had been based on a truer conception of the respective values of treatment and prevention, and the 14,000 panel practitioners would have been relieved of a great amount of monotonous work by the inclusion of preventive work among their patients. Over-applica-tion of the value of the bottle of medicine by the patient was one of the chief stumbling-blocks to progress. Fees would have to be increased and the size of the panel reduced to enable the general practitioner to practise preventive medicine among his patients. There was a vast amount of work to be done in the education of the public as to the true value of drugs in the cure of disease. Public opinion was ripe for instruction in matters pertaining to the care of health. Health propaganda was becoming increasingly popular. There was a plethora of societies engaged in such work. Much of the propaganda work was undertaken by men who have had no medical training, by gymnasts, hydropaths, vegetarians, and other specialists in dietetics. Much of the work was of the nature of stunts, and a great deal consisted of thinlyveiled advertisements for some proprietary food or drug. There was danger of reaction on the part of the public unless this work was carried out by disinterested propagandists trained in the laws of preventive medicine, and this could only be done by the enlightened medical practitioner.

Inquests

At Hampstead, London, N.W., on October 11, an inquiry was held as to the cause of the death of Dr. C. A. Duggan. Sir Bernard Spilsbury, who had made a post-mortem examination, said death was due to paraldehyde poisoning. Two ounces of the drug had been known to be fatal, and there were cases in which persons recovered after taking four ounces. A verdict of "Death by misadventure" was recorded.

A verdict of "Suicide while of unsound mind" was returned at a Burnley inquest on William Hargreaves, who died after having taken rat poison. Mr. Eric Greenwood, assistant to Veitch (Chemists), Ltd., Colne Road, said that Hargreaves purchased a tin of rat poison, inquiring how it was used. The tin was properly labelled. Death was due to acute degeneration of the liver and

phosphorus poisoning.

The Hampstead (London) coroner held an inquestrecently on the body of Miss Eliza G. Walton, Fellows Road, N.W., whose death occurred at the New End-Hospital two hours after admission. Sir Bernard Spilston, and the second statement of the second s bury, who made a post-mortem examination, stated that death was from coma from poisoning by aspirin. The death was from coma from poisoning by aspirin. The Coroner: What is a fatal dose?—I *don't think it is known. Aspirin is easily obtained. The Foreman of the Jury: If a person purchased two bottles, the chemist would want to know something. The jury returned a verdict of "Death by misadventure."

A fatal accident, which involved the death of A fatal accident, which involved the death of. Harold Grimwood, Shrewsbury Road, Bowes Park, was inquired into by the City of London coroner on October 23. Mr. Grimwood fell 40 ft. down a lift shaft at the premises of his employers, George Curling, Wyman & Co. (Branch of The British Drug Houses, Ltd.), Bunhill Row, E.C., on the previous Friday, and died in St. Bartholomew's Hospital. There was no eyewitness of the accident, but while in hospital Dr. Tracey asked him how he came by his injuries, and he replied: "I fell down a lift shaft; I was leaning against the "I fell down a lift shaft; I was leaning against the guard rail and it gave way." The jury returned a verdict of "Accidental death."

On October 24 Sir Walter Schroder concluded an inquiry concerning the death of Emma Bailey, cookhousekeeper, Marlborough Mansions, London, N.W. The evidence showed that on October 14 she was removed to a hospital in Hampstead in a state of coma, and never recovered consciousness. Sir Bernard Spilsbury, who made a post-mortem examination, stated that death was due to bronchial pneumonia from poisoning by veronal. The Coroner: What is a fatal dose?—About 50 gr., but there is a case recorded in which 15 gr. proved fatal. Mr. A. Roberts, chemist and druggist, Market Place, Acton, W., stated that his firm served the deceased with two bottles of veronal tablets. A fresh prescription was tendered for the second bottle, which contained twenty tablets. The coroner recorded an open verdict.

An inquest was held at the works of the Explosive and Chemical Products, Ltd., Bramble Island, Great Oakley, Essex, on October 18. The deceased were Miss Lily Lambert, Miss Mary Claydon, Mr. R. Cockayne, the works chemist, Mr. John Sallows, and Mr. Robert Pithers, Mec'al evidence was given to the effect that the victims were blown to pieces, and that death was instantaneous. Mr. Samuel Baldwin, manager of the factory, deposed that since the company had been licensed in 1905 they had only had one explosion. Dr. H. E. Watts, of the Home Office, said that the Secretary of State had ordered an inquiry to be held. In this building there were two types of machines, and with one type of machine explosions had occurred in 1914 and 1915. The factory had been inspected by one of the Government inspectors in July last, and everything was found to be in order. Witness could not tell what the direct cause of the explosion was. The jury returned a verdict of "Accidental death" in each of the five cases.

Birmingham

The presidential address to the University of Birmingham Chemical Society was given on October 15 by Professor W. N. Haworth, D.Sc., Ph.D., F.R.S., on "Recent Views in the Structure of Cellulose."

Professor S. B. Schryver, D.Sc., F.R.S., delivered a lecture under the auspices of the Biochemical Society of the University of Birmingham, on October 18, on "Some Aspects of the Chemistry of the Proteins." The lecture consisted, for the most part, of an account of unpublished work.

The annual meeting of the Birmingham and Midland Section of the Institute of Chemistry was held on October 16. Votes of thanks were accorded to Professor Ling and Mr. F. H. Alcock, chairman and vice-chairman respectively, who have retired at the conclusion of three years' service.

The first meeting of the session of the Birmingham and Midland Section of the Society of Chemical Industry will be held on November 13, in the Chamber of Commerce Buildings, at 7 p.m., when a paper on "Recent Developments in Beet Sugar Manufacture" will be given by Mr. J. H. Lane, B.Sc., F.I.C. An exhibition of industrial films (dealing with steel manufacture, heavy chemicals and history of electricity) under the ægis of the Section was given on October 16.

Liverpool

Members of the Liverpool Pharmacy Club wishing to join the theatre party to the Playhouse on October 31 must notify the secretaries by October 29.

The secretary of the Liverpool Chemists' Association announces that the name of Mr. Prosper H. Marsden was inadvertently omitted from the list of members of Council in the current annual report.

Council in the current annual report.

Mr. W. J. Tristram, chemist and druggist, who carries on business under the name of William Burgess at 64 Whitechapel, has been adopted a candidate for Wavertree West ward at the Liverpool municipal elections.

Manchester

A whist drive will be held by the Manchester and District Pharmacy Club in the Clydesdale Club, Turner Street (High Street), on October 31 at 8.15 p.m. Tickets, 2s. each inclusive, from Mr. A. E. Thorpe, 312 Great Western Street, Moss Side.

S. Maw, Son & Sons, Ltd., are holding an exhibition at the Deansgate Hotel, Manchester, from October 29 to November 8 inclusive. In addition to general lines, they are showing novelties for chemists' private Christmas gifts. Another feature is the range of stock boxes and display outers.

Miscellaneous

THEFT OF CAPSULES.—Just before going to press we learned that several parcels of capsules sent out by Jules Denoual & Co., Asylum Road, London, S.E.15, have been stolen from a van after leaving their works.

WINDOW-DRESSING AWARDS.—Boots, Ltd., were awarded a first prize at a recent window-dressing competition held in connection with a carnival at Blandford. At a window-dressing competition held at Washington, co. Durham, recently, the first prize in the second class was awarded to Mr. H. Daley, chemist and druggist. [Corrected notice.]

THE ROYAL INSTITUTION.—The November and December courses of lectures at the Royal Institution, Albemarle Street, London, W.1, include the following fixtures:—"Co-aggregation v. Continuity in the Change of State from Liquid to Vapour" (Dr. H. L. Callendar, October 30, November 6 and 13); "Diamonds" (Sir William Bragg, November 20 and 27, December 4 and 11).

In the courts.—At Sheffield Police Court, on October 17, Charles A. Elliott, shopkeeper, Staniforth Road, was fined £1, with costs, for having sold sweet spirit of nitre deficient in ethyl nitrite to the extent of 19.7 per cent.—At West Ham Police Court, London, on October 22, George W. Chester was remanded on charges which included being in unlawful possession of morphine.—At the Central Criminal Court, London, on October 23, Edwin G. M. Short (69) was sentenced to fifteen months' imprisonment for having obtained money by posing as an heir and representing that he had a valuable patent for extracting nitrates from the air. Mr. H. B. Shepherd, F.I.C., stated that Short's process was a combination of eight old processes.—At Woolwich Police Court, on October 24, six Chinese seamen from a Dutch steamer lying in the Royal Albert Docks were fined a total of £280 for being in unlawful possession of raw opium.

Coming-of-Age Dinner

A dinner was held at Newcastle-upon-Tyne, on October 19, in celebration of the twenty-first anniversary of the incorporation of Scott & Turner, Ltd., as a limited company. The dinner was preceded by a sales conference attended by about eighty representatives. Mr. Gerald A. France, chairman of the company, presided, and, in addition to the distinguished visitors whose names occur in the following sentences, representatives of the various local societies in the trade were present. Proposing the toast of "Newcastle and Tyneside," Mr. Sidney Traves (sales manager) said he thought that the Tynesider hid his light under a bushel too much, and referred to the work of such men as Stephenson, Swan, Armstrong, and Parsons. The Sheriff of Newcastle and Sir Archibald Ross responded. The Rt. Hon. Walter Runciman proposed the toast of "The Firm," and congratulated Mr. France upon bringing a new industry to Tyneside. Mr. France, in response, paid a tribute to the late Mr. W. H. Scott, who founded the business and nourished it in its early and difficult days, and established those principles which which it had been maintained ever since. The chairman went on to praise the achievement of Earl Jellicoe (who was one of the guests and was spending the week-end with him) in the European war. The toast of "The Visitors" was proposed by Mr. G. Leslie A. France, and Earl Jellicoe briefly replied. A concise history of "the House of Andrews," given in the dinner programme, sets forth the principal dates in connection with the Liver Salt, which was first made in Gallowgate, Newcastle, in 1895. Additional premises were rented in consequence of increased trade in 1899, and further extensions took place in 1913, 1919, 1920, 1921 and the present year.

Scottish News

Pharmaceutical Standing Committee (Scotland)

A circular recently issued by Mr. J. Rutherford Hill, secretary of the Pharmaceutical Standing Committee (Scotland), deals with three topics—(1) testing of drugs (Scotland), deals with three topics—(1) testing of drugs and appliances, (2) terms of pharmaceutical service, and (3) Dangerous Drugs Act Regulations. Under (1) it is stated that the new testing scheme has been adopted by the Scottish Insurance Committees, and may be expected to be in operation at any moment. The circular continues: "We recommend that any inspector having a medicine dispensed, immediately on disclosing the fact to the chemist, might be invited to leave the public counter and come to the chemist's dispensing department, so that any procedure in the way of dividing samples would be done without such publicity as might tend to unset persons in the shop having medicines distend to upset persons in the shop having medicines dispensed for sick persons. . . . The scheme is quite on the lines generally agreed to by panel chemists some time ago, and does not appear to contain any proposals which ago, and does not appear to contain any proposals which are not fikely to work in quite a satisfactory manner."

(2) It is announced that there will soon be a meeting of the General Council of Panel Chemists (Scotland) to consider pharmaceutical service for 1929. (3) Attention is called to the coming into force of the Dangerous Drugs Act, 1925. It is stated that "in the case of preparations of herein containing less than 0.1 per cent of the containing less than 0.1 of heroin containing less than 0.1 per cent. of heroin a decision as to regulations has been delayed at the request been thought something might be done to secure exemption of some of these preparations which are highly valuable therapeutic agents, and contain a quantity of heroin so small as to make the preparation not a really dangerous drug. The Council of the Society has made recommendations to the Home Office, but no final decision has yet been reached." of the Council of the Pharmaceutical Society. It has

Brevities

"Provisions, Confections and Drugs" is the slogan on the sign displayed by a Dysart "sweetie shop."

"Isle of Wight" disease in bees is said to have been effectively treated by a North of Scotland bee-keeper by simply dusting the bees with liquorice powder.

Remunerative employment for the newly qualified chemists is said to be extremely difficult to obtain, and many have passed from the examinations to the queue at the local labour exchange.

Mr. D. A. Boyd, antiquarian and naturalist, who died recently, was an authority on microscopic fungi, and his last work was the compiling of a list for the botanical section of the British Association.

Mr. and Mrs. Harley recently entertained the staff of the new Rodine works in the Station Hotel, Perth, the guests of honour being Mr. W. Fulton, chemist and druggist (who recently succeeded Mr. Harley in the proprietorship of the retail pharmacy at 29 High Street), and the retail staff. In the speech which followed the supper Mr. Harley thanked his former employees for their past help, and paid a high tribute to Mr. Coutts, who had twenty-nine years' service to his credit.

Edinburgh

The first meeting for the present session of the Edinburgh and East of Scotland section of the Society of Chemical Industry was held conjointly with the local section of the Institute of Chemistry at 36 York Place, on October 23. Mr. G. F. Merson was appointed vice-chairman. Major R. Bruce (chairman) delivered an address on "Some Problems in Colloid Chemistry."

Glasgow

"The Greatness of Galen" was the title of an appreciative and historic article contributed by Professor Thomson to the "Glasgow Herald" of October 20.

Sir Donald and Lady MacAlister were the guests of honour at a civic banquet given recently in celebration of the majority of Sir Donald's tenure of office as principal of Glasgow University. Sir Donald MacAlister is president of the General Medical Council as well as Vice-Chancellor and principal of Glasgow University.

The first application of the Zyklon method of cyanide fumigation, in Glasgow, was carried out on the C.P.R. steamer "Minnedos" on October 20. It was found that the hold was free from gas two hours after the opening of the hatches.

An anonymous donor has handed to the Royal Technical College the sum of £4,000 for the maintenance of a scholarship in perpetuity. The bequest of £13,000 in 1905 by the late Mr. James Donald, manufacturing chemist, Glasgow, has now become available for providing ing education in practical chemistry and practical mechanics.

Irish News

Free State Drug Imports Increase

Official figures show that the value of chemicals, drugs, etc., imported into the Free State rose from £85,582 in August 1927 to £97,454 in August last, and for the eight months to August 31 last the value was £826,310, against £789,920 in the same period last year.

Drug and Medicine Exports

During the six months ended June 1928, 347 cwt. of glycerin, valued at £997, was exported from the Irish Free State, compared with 1,319 cwt. and £4,064 respectively during the corresponding period of 1927. The exports of drugs, medicines, etc., of Irish production during the same period also declined from £2,172 to £2,060.

British Pharmaceutical Conference

The deputation appointed by the Council of the Pharmaceutical Society of Ireland have approached the Dublin City Commissioners, and have obtained their permission for the use of the Mansion House for the last week in June 1929, from Monday until Friday inclusive, for the holding of the British Pharmaceutical Conference.

Brevities

For selling vinegar of deficient acetic acid content Samuel Esler, Newtownards Road, Belfast, was fined 10s. and 30s. costs, at Bangor Petty Sessions, on October 11.

At Newry Quarter Sessions, on October 12, Judge Bates heard eleven claims for compensation for malicious scoring of windows in Hill Street, Newry, during the month of August last. The claims in all amounted to £318, and among those who were awarded compensation was Mr. P. J. Mallon, Ph.C., who received £9.

The following tenders were accepted at the meeting of the Cork North Charitable Infirmary Committee recently:—Medicines—Fieldings' Pharmacy. Medicines as Local Government Department list at a discount of 32 per cent. Proprietary medicines at retail prices, less a discount of 16 per cent. T. R. Lester, Ltd. Goods not on L.G.B. list 20 per cent., and prescriptions less $33\frac{1}{3}$ per cent.

Provided by the congregation in memory of the late Frovided by the congregation in memory of the late Sir William Baxter, D.L., Ph.C., and Lady Baxter, a handsome tablet was unveiled and dedicated on Sunday, October 14, in Terrace Row Presbyterian Church, Coleraine. Sir William Baxter, who died on December 19, 1918, and Lady Baxter, who passed away on December 4, 1927, were, in local affairs generally, leading personalities. Miss Baxter, daughter, unveiled the tablet.

At Strabane Petty Sessions, on October 15, the Ministry of Labour brought two summonses against Mr. James Hill, Ph.C., Castle Street, for breaches of the National Health Insurance and Pensions Acts, by failing to stamp the books of an employee, Robert Jones. Mr. T. R. Hennesy, inspector to the Ministry, said that the amount of arrears due was £5 5s. 4d., and represented a period from October 1, 1927, till June 30, 1928. Mr. E. Clark, for defendant, intimated that his client was prepared to pay the arrears. He was in a delicate state of health and overlooked stamping the cards. A fine of 1d. was imposed on each summons, also £1 3s, coets, and the defendant ordered to pay the arrears.

Legal Reports

Application for New Trial.—In the Southwark County Court. The plaintiff was Mr. John Simons, 53 Leroy Street, S.E., a baking powder manufacturer, who claimed and recovered judgment for £71 against Smith, Hughes & Co., Ltd., chemical manufacturers, 23 College Hill, E.C., for being supplied with acid calcium phosphate, the arsenical content of which was above the average. Mr. Parry, who appeared on behalf of the defendants, Messrs. Smith, Hughes, said an appeal had been set down against the integration of the defendance of t the judgment, as since then material evidence had come to light which would considerably affect the judgment. His honour might remember that a customer of the plaintiff bought some baking powder from him, and he was prosecuted because of the large amount of arsenic in it. The plaintiff undertook the customer's defence, and he then sued the defendants for supplying acid calcium phosphate with a large arsenical content. To a large extent the defence was that they denied the acid calcium phosphate was supplied by them, and they also challenged the amount of arsenic alleged to have been found in it. In the claim also was a charge for the destruction of the rest of the baking powder, and the plaintiff failed to produce any books to show this had actually been done. It was not until later that he found that in fact the baking powder had not been destroyed, and was still in the plaintiff's possession. Since the judgment his clients had visited the plaintiff's works in order to inspect the remaining part of the baking powder. They had now had an opportunity of analysing a small sample. The material thing in the evidence previously before the Court was that of the formula by which the baking powder was made. It was said that it was made up of equal parts of bicarbonate of soda, rice powder and acid calcium phosphate. His honour, in his judgment, had clearly based his calculations upon that formula. Upon the evidence before him, it would appear that if there were four parts of arsenic to the million in the acid calcium phosphate, then the contamination in baking powder would be one-third of that, namely, 1.4. His evidence now was that, far from being equal parts of these three ingredients, there was only seven or eight per cent of sedders allowing a generous granting it would these three ingredients, there was only seven or eight per cent. of soda, or, allowing a generous margin, it would be 10 per cent. of bicarbonate of soda, and therefore the additional 23 per cent. was mainly made up of acid calcium phosphate which would provide a greater arsenical content in the actual baking powder. Apparently, the plaintiff was not accurate, or had made a mistake of some kind in giving evidence as to his formula. That there was only 10 per cent. of soda made a tremendous difference, as it would nearly treble the arsenical content, to 12 parts to the million. It was necessary to bring this application before his honour, as if it was refused, he could go to the Divisional Courte as if it was refused, he could go to the Divisional Court and appeal against that decision. If he went to the Divisional Court first he would have been sent down to produce his new evidence before the judge of the County Court. Judge Moore: You are surely in a difficult position in this case. In order for me to grant a new trial on the ground that fresh evidence has been discovered the evidence has to be so strong that it is to be conclusive. It is not merely necessary for you to say it is a against us. The statement of the plaintiff as to the ingredients in the formula is extraordinarily like misrepresentation. Judge Moore: There was no doubt that the case was based on the fact that the ingredients were case was based on the fact that the ingredients were equal parts of rice powder, bicarbonate of soda and acid calcium phosphate. Mr. Parry: And I was not in a position to challenge the alleged quantities. From your honour's judgment it appears that you based your decision upon the formula as described by the plaintiff. Your honour decided that seven parts to the million was too much but according to the right of the plaintiff; soly was too much, but according to this, if the plaintiffs only used 10 per cent. of soda, it was twelve parts to the million. Mr. Fox Andrews, counsel for Mr. Simons, said that before his honour gave his decision he would like

to point out a flagrant breach of a solicitor's undertaking. He thereupon read the correspondence between the plaintiff and the solicitor instructing the defendants when the defendants asked to inspect the remaining baking powder. The plaintiff replied that they could, but it should be understood that in allowing them to do so, they should bear the cost of any analysis, and should not take it that the case was going to be reopened. After giving that undertaking, added counsel, they now came before the Court and asked for a new trial. Mr. Parry denied that it was an undertaking, but Judge Moore said there might have been a misunderstanding, but he thought the defendants were bound by it. Under the circumstances, he would have to refuse the application. He refused the application because the letters seemed to preclude them from re-opening the case.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

COLLOIDAL PRODUCTS, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturers, importers and exporters of and dealers in colloidal products, collodion, pyroxylin plastics, celluloids, etc. The directors are G. G. Proctor, M. E. R. Hublon, C. J. Steurs, and F. D. M. Harding. R.O.: Wine Office Court, Fleet Street, E.C.4.

Wells & Wells, Ltd. (P.C.).—Capital £2,000 in £1 shares. Objects: To acquire the business of pharmaceutical chemists and druggists, etc., carried on at 166 High Street, Gillingham, Kent, as "Stookes Pharmacy." The first directors are W. G. Wells, chemist and druggist (managing director) and F. G. Wells, chemist and druggist. Secretary, W. G. Wells.

British Alkaloids, Ltd., was registered as a "public" company on October 23, with a nominal capital of £150,000. The objects are to acquire the undertaking of British Alkaloids, Ltd. (incorporated in 1916); to adopt two agreements with Eastern Rubber Growers, Ltd., and to carry on the business of manufacturing chemists, druggists, exporters, importers, etc. The subscribers are: F. J. Groombridge and R. W. Bonter. Solicitors: Herbert Smith & Co., 62 London Wall, E.C.2.

Alcock (Peroxide), Ltd. (P.C.).—Registered October 22. Capital £14,000. Objects: To carry on business as chemical and soap manufacturers, drysalters, manufacturers of and dealers in all kinds of chemical, industrial and other preparations, particularly peroxide of hydrogen, barium peroxide, blanc fixe, perborate of soda, etc. The directors are H. E. Alcock, "The Knoll," Luton, chemical manufacturer, and Lynette M. Harris, 39, Thirlmere Road, Muswell Hill, N.10, chartered accountant. R.O.: 8 Great Winchester Street, E.C.2.

CIEIM ESSENCES, LTD. (P.C.).—Capital £1,000. Objects: To acquire the branch or part of the business carried on by Confectionery Ingredients and Essences, Ltd., that relates to the manufacture and producing, buying, selling, importing and exporting and otherwise dealing in essences of all kinds, to acquire the registered trade mark "Cielim," and to carry on the business of essence manufacturers, mineral water manufacturers, chemical manufacturers, etc. The subscribers are: J. B. Morrell and II. Giles. Solicitors: G. B. Black, York.

T. Heaton (Wallasey), Ltd. (P.C.).—Capital £240 in £1 shares. Objects: To acquire the business of a chemist and druggist, including that of "Gallstones Specialist," now carried on by T. Heaton, at 3a King Street, Wallasey, Cheshire, as "T. Heaton." The directors are: T. Heaton, Wallasey, Cheshire, and Alice C. Heaton, Wallasel, Cheshire. R.O.: 3a King Street, Wallasey, Cheshire.

BAYNARDS FULLERS EARTH Co., LTD. (P.C.).—Capital £2,000. Objects: To acquire and accept transfers of the mortgage securities set forth in an agreement with F. W. Berk & Co., Ltd., to acquire and turn to account any lands, buildings and other premises in the parishes of Baynards and Cranleigh, Surrey, or elsewhere in the U.K., and to carry on the business of manufacturers of and dealers and works in fullers earth, etc. The direc-

tors are P. F. Berk, A. D. Berk, A. F. Berk, J. Kershaw, and J. Young. R.O.: 106 Fenchurch Street, E.C.3.

Barclay & Sons, Ltd., inform us that they have no connection with Barclays Chemists, Ltd. (C. & D., October 20, p. 483).

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the undermentioned companies have been struck off the register and the companies dissolved:—Fitt, Cash Chemists, Ltd.; Tomlinson's Drug Stores, Ltd.

Vanore, Ltd., manufacturing chemists, 4-6 Muswell Hill Road, London, N.6.—At a meeting of creditors, held at the offices of Haynes & Baker, accountants, Mortimer Hast, Mortimer Street, W., on October 22, it was decided to confirm the voluntary liquidation of the company, with Mr. Baker as liquidator.

Private Arrangements

Thomas Profit, 49 Barnsbury Street, Islington, chemist and druggist.—The creditors interested were called together recently at the Association of Manufacturing Chemists, Kimberley House, Holborn Viaduct, E.C., Chemists, Kimberley House, Holborn Viaduct, E.C., when a statement of affairs was submitted which showed liabilities of £462 4s. 4d., of which £402 15s. 5d. was due to the trade and £59 8s. 11d. to a cash creditor. The assets comprised cash in hand, £4; stock in trade at cost, £400, valued at £200; fixtures, fittings and utensils, £100, estimated to realise £50; and amount due from National Health Insurance, £30, making a total of £284, from which preferential claims of £21 10s. had to be deducted, leaving net assets of £262 10s., or a deficiency of £199 14s. 4d. The cash creditor was stated to be a moneylender, and the amount of £59 8s. 11d. represented the balance of transactions for some time past. The household furniture was claimed by the represented the balance of transactions for some time past. The household furniture was claimed by the debtor's wife. Prior to purchasing the business at Barnsbury Street eight years ago, debtor was employed as an assistant. He paid £1,000 for the concern, which had been established for over 100 years. The premises, consisting of shop, dispensary and living accommodation, were held on a lease which expired in March 1929, at a rental of £50 per annum, while rates and taxes, in rental of £50 per annum, while rates and taxes, in addition, amounted to £26 per annum. Debtor stated that he traded successfully until the end of 1925, since when the turuover had decreased, amounting in 1925 to £1,400 and in 1927 to £1,300. At the present time the turnover averaged between £22 and £24 weekly. The overhead charges amounted to approximately 30s. a week, and other outgoings 15s. a week. Debtor's drawings had averaged £4 weekly. He had no banking account, and had not kept a full set of books. Debtor had no offer to make to the creditors, and said he was desirous that the business should be continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order that it wisht he call as a second of the continued in order than the continued of the continued in order than the continued of the contin that it might be sold as a going concern. creditors had taken proceedings, some of whom had obtained judgment and were in a position to levy execuobtained judgment and were in a position to levy execu-tion. In view of that fact, debtor had executed a deed of assignment in order to protect the estate in favour of Mr. Parkin S. Booth, of Kimberley House, Holborn Viaduct, E.C., as trustee. After discussing the position, the creditors resolved to confirm the deed of assignment already executed, and a committee of inspection was also already executed, and a committee of inspection was also nominated. The following are creditors:—The British Drug Houses, Ltd., £88; Castle Huskisson, Ltd., £58; Curtis, F. P., £60; Houghton, Butcher, Ltd., £20; Hodgkinson, Prestons & King, £20; Kodak, Ltd., £16; Meggeson & Co., Ltd., £55; Sutton, W., & Co., £22; Townsend, J., & Sons, £11; Wigglesworth, Ltd., £13.

B. S. Jones, trading as Fowke & Son, 46 Greengate, Stafford, chemist and druggist. A meeting of the creditors was held in October 22, at Stafford, when the representative of May, Roberts & Co., Ltd., was elected to the chair. The statement of affairs submitted showed ranking liabilities of £4,791 ls. 9d., all due to unsecured creditors. The assets were estimated to realise £1,749 8s. 5d., from which had to be deducted £74 8s. 4d. for preferential claims, leaving net assets of £1,675 0s. 1d., or a deficiency of £3,116 ls. 8d. The assets consisted of cash in hand, £36 12s. 8d.; stock

£1,050, expected to produce £750; fixtures, fittings and utensils, £750; furniture, £100; life policies, £26 19s. 8d., and book debts, £95 8s. 4d., valued at £85 16s. 4d. It was stated that the liabilities included a claim by the debtor's brother of rather more than £2,600. The stock had been estimated on the stock-taking of June 30 last, whilst the fixtures and fittings cost £1,200 in June 1923, when the debtor purchased the business. It was stated that prior to commencing on his own behalf, the debtor was manager for 15 years at a branch of one of the multiple concerns. He at a branch of one of the multiple concerns. He purchased a business at Stafford in the Market Square on June 25, 1923, for £3.756, made up as follows:—Goodwill, £1,000; stock, £1,560; and fixtures and fittings, £1,196. The business had then been in existence for something like 200 years, and he was assisted in the control of the c in the purchase by a brother, who loaned him £2,800, and the vendors agreed to allow £1,000 to remain on loan on security of the lease for 21 years. It appeared that the turnover had been between £5,000 and £6,000 that the turnover had been between £5,000 and £5,000 per annum. In the first two years, net profits of £372 and £129 respectively were earned. In the third year there was a net loss of £172, and during the fourth accounting period, there was a net profit of £166. Since June of last year, however, there had been a loss on the trading of more than £1,000. It appeared that in September 1927 the debtor was approached in regard to his lease, and it was sold in March for £2,000. A question was asked regarding the loss gentinged during question was asked regarding the loss sustained during the last eighteen months, and the accountant replied that he was unable to give full details. The gross profits should range between 24 per cent. and 34 per cent., but latterly they had been as low as 4 per cent. The present position was attributed to loss on realisation of stock in Market Square premises, heavy expenses of removal, and loss of trade. In the absence of any offer, it was decided that a deed of assignment should offer, it was decided that a deed of assignment should be executed, whilst a committee of three of the creditors was appointed. It was stated that efforts would be made to sell the business as a going concern. The following are creditors:—Bush, W. J., & Co., Ltd., £26; Evans Sons Lescher & Webb, Ltd., £174; Fowke, C. E., Stafford, £39; Guest, Thos., & Co., Ltd., £41; Gibbs, D. and W., Ltd., £48; Hurst & Son, £75; Kodak, Ltd., £66; May, Roberts & Co., Ltd., £536; United Drug Co., Ltd., £46; Williams, C. C., Ltd., £91; Cupal, Ltd., £15.

Business Changes

THE address of The Pontampon Co. is now 55 Holborn Viaduct, London, E.C.1.

HOLMAN, HAM & Co., LTD., chemists, Park Road Corner, Yeovil, have opened another pharmacy at 11 Wyndham Street.

Mr. W. F. Crowther, chemist and druggist, St. Dunstan's Pharmacy, High Street, Mayfield, Sussex, is retiring from business.

Mr. J. W. Sampson, Ph.C., F.B.O.A., who recently passed the Supplementary examination of the Spectacle Makers' Company, has opened an optical business at 28 Albert Street, Mansfield, with branches at Stapleford and Newstead.

Mr. G. D. W. Ibbotson, chemist and druggist, has purchased the business of Mr. P. Wainwright, 129 Carlton Street, Castleford.

Mr. E. G. Price, Ph.C., F.S.M.C., has acquired the business of Mellin & Co., 88 High Street, Eltham, in succession to late Mr. H. C. Steward.

Mr. E. S. Dutton, chemist and druggist, has purchased the business of Mr. F. W. Walker, chemist and druggist. 9 Hospital Street, Nantwich.

Mr. E. Johnston, chemist and druggist, has succeeded to the business of Mr. A. E. Churchyard, Ph.C., Harleston, Norfolk, of which he has been manager.

Henna.—About 33,200 kilos. of hema were exported from Tripoli in 1927, mostly to Tunisia, France and Algeria, valued at 1,230,807 lire, against 396,900 kilos. (1,562,673 lire) exported in 1926.

Umpleby, G. E., Clee-

thornes

Pharmaceutical Society of Great Britain

Examinations in Edinburgh

The following are the results of the Pharmaceutical Society's Examinations held in Edinburgh this month:—

		PRELIMINARY SCIENTIFIC			CHEMIST AND DRUGGIST QUALIFYING				
No	No.	Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for whole examination Entered for C. and D., and referred sub-	2	_	_	2	_	÷	_	-	-
ject in Pre- lim. Se	6	_	_	_	6	1	٠ 3	2	_
Entered for Pre- lim. Sc. only Referred subject	65	1	18	19	27	-	_	-	_
in Prelim. Sc.	28	_	_	2	26	_	_	_	_
Entered for C. and D. only	94	_	_	1	_	6	24	32	32
Referred sub- ject in C. and D.	71	_	-	-	_	-	_	17	54
	266	1	18	23	59	7	27	51	86

Referred in one subject:—Botany, 8; chemistry, 15; pharmacognosy, 2; pharmacy, 36; pharmaceutical chemistry, 13; total, 74.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following having satisfied the examiners have been registered as chemists and druggists:—

Allen, A. R., Wallasey Atkinson, G. I., Barnsley Baron, D., Blyth Dorothy, Baxandall, Bradford Bonthron, J. T., Markinch Bowie, E., Torrance Briggs, H., Middlesbrough Cameron, A., Thornton Carey, H., Glasgow Chambers, Glasgow Coutts, J., Glasgow Crumblehulme, W., Bolton Dias, A. C., London Doig, G., Anstruther Dunn, Elizabeth Dunn, Glasgow Errington, M., Gateshead Farquhar, G., Wick Foote, W. E., Ballinluig Frederick, L., Leeds Frow, O., Harrogate Gallacher, J., Coatbridge Gardiner, E., Annan Gilchrist, Elsa M., Huntly Gomersall, R., Halifax Gordon, J., Stranraer Grant, C. J. R., Kirkintilloch Gray, Elizabeth J. A.,

Gray, Elizabeth J. A.,
Glasgow
Hamilton, Evelyn M.,
Lemington-on-Tyne
Hawkin, J. H., Leeds
Hetherington, R., Bishop
Atckland
Hindmarch, J. W. S.,
Newcastle-on-Tyne
Hutcheson, W. E., Troon

Hutchinson, B., Bishop Auckland Jackson, W. R., Chelten-Jones, R. E., Liverpool Kemp, J. A., Sunderland McElroy, Agnes G. B., Clydebank McElroy, R. F., Clydebank Macfadzean, R. W. S., Troon McKenna, J., Melrose McLeod, D. L., Tain Mason, T. J., Carlisle Milligan, W., Sanquhar More, D. G., Peebles Mouat, W. J. C., Auchterarder Murphy, D. L., Alexandria Murphy, J. P., Birkenhead Ness, H. B., Airdrie
Nisbet R., Edinburgh
O'Connor, Sarah, Glasgow
Oxley, F. M. T., Heckmondwike Park, G. L., Liverpool Paterson, F. W., Aberdeen Paterson, M. W., Irvine Peebles, Isabella T., Fife Reid, Margarct, Glasgow Ridley, J. J., Blackburn

Robertson, A., Kirkcaldy Robertson, B. S., Dundee Rowand, J. H., Paisley Scarborough, C. H., Upper

Scott, W. G., Rothesay Screeton, A. A., Durham Sharp, Davina, Dalkeith

Largo

Shearer, W. Mac., Dundee Smith, J. D., Ayrshire Smith, J. H., West Hartlepool Sommerville, A., Edinburgh Stein, G., Dunfermline Stokoe, J., Ferryhill co. Durham Storrie, D. McK., Galston Strang, Margaret M., Hurlford Sturrock, G. B. P., Glasgow Taylor, Jeanie, Kilburnie Thomson, W., Paisley Troup, D. J., Monifieth

Derby.—The annual meeti Branch of the Pharmaceu October 10. On the proposi

Valentine, R. P., Kirkcaldy Walkinshaw, J., Newmains Wallace, H. L., Edinburgh Wells, S. A., Whitehaven Welsh, J. M., Newcastleon-Tyne Westwood, Bessie, Barrow-in-Furness Wilson, Mary G., Wakefield Wolfson, D. I., Glasgow Wood, T. L., Sunderland

Branch Meetings

Derby.—The annual meeting of the Derby and District Branch of the Pharmaceutical Society was held on October 10. On the proposition of the secretary £5 was voted to the Benevolent Fund. All the officers were re-elected. Following the business meeting, members and students listened to an address by Mr. A. R. Melhuish, member of the Council, on "The Pharmaceutical Outlook." The speaker touched on many topics of pharmacy. A demand for a simplified Pharmacopæia with standard avoirdupois weights and measures, a less bulky or a two-volume Codex, and a plea that some portion of the shop, at any rate, should look like a pharmacy met with approval. The chairman, Mr. Deakin and Mr. Lean joined in the discussion, and all the questions asked were answered or deftly countered. A vote of thanks moved by Mr. V. Wilson brought the meeting to a close.

Ealing.—A meeting of the Ealing and District Pharmacists' Association was held on October 16, the president (Mr. Frank Browne) in the chair. Mr. Browne spoke on the anniversary dinner appeal for the Benevolent Fund, and mentioned that Mr. J. Elsworth Alcock had already given £10 10s. A discussion followed or topics connected with pharmacy. Mr. Thomas Marns gave some information on the working of the Middlesex Pharmaceutical Committee, and dealt with the testing of dispensed medicines. The meeting closed with a Benevolent Fund collection.

Leicester.—The inaugural meeting of the present session of the Leicester and Leicestershire Branch took place on October 22 at the College of Technology, Mr. F. H. Clark (chairman) presiding. Supporting the chairman were Mr. L. W. Kershaw, B.Sc., principal of the college Mr. Thompson, Ph.C., head of the pharmacy department, the secretary, Mr. R. L. Dickson, and the speaker for the evening, Mr. E. H. Simmons, Salford, a member of the Council. Mr. Simmons was well received on rising to speak, and remarked that he well remembered the hospitality of the Leicester chemists at the conference held here not long ago. As it was his pleasure during the evening to hand prizes to the successful students of the year, he would like to express his view that prizewinning exerted an important influence on the character of the recipient. Why this cry of abolishing examinations and substituting reports of teachers during their training? The articles of pupilage introduced by the Society would be very beneficial, and might lead to shops properly equipped being recognised for the training of apprentices. Turning to the Qualifying examination, more written questions and less oral was a probability in the near future, the written portion being taken in various provincial centres. The Bachelor of Pharmacy degree was a distinct gain in the academical world, and students obtaining this would find new outlets in public institutions. At the passing of the Therapeutic Substances Act of 1925 the Society established the Pharmacological Laboratories. The vitamin department would eventually pay its way. He strongly pressed for representation in the House of Commons, and hoped that all help possible would be given to Mr. Hines, the proposed candidate for Loughborough. Mr. Clark felt that

they had heard sound advice, and said that the Benevolent Fund was having the attention of the ladies' committee. Mr. Thompson gave his report, showing that their total of passes averaged 75 per cent. The advisory committee to the college looked well after the students and the college. He appealed for books to form a library suitable to students and pharmacists. The part-time students, of whom there were eighty-four, merited praise for giving up their Thursday half-holiday to lectures. Mr. Kershaw, principal of the College, endorsed Mr. Thompson's report, paying a special tribute to Mr. E. B. Ward as chairman of the advisory committee. He thanked the ladies' committee for their efforts towards equipment of the college, and said how intensely interested he was in the pharmacy department. The presentation of prizes then took place as follows:—Local branch prizes—Preliminary Scientific Course: (1) value £1 ls., W. C. Wood, year 1; (2) value 10s. 6d., S. Oldham, year 2. Chemist and Druggist Qualitying Course: (1) value £2 2s., Miss L. Kay, year 3; (2) value £1 ls., Miss M. Beaver, year 3. Prizes presented by Messrs. St. Dalmas & Co., Ltd.: (1) value £2 2s., S. W. Wilkinson, full time; (2) value £1 ls., R. Nottingham, full time. Prize presented by the Society to student-associates for best work: Copy of B.P. Codex, value 30s., Miss L. Kay. Miss Kay, the outstanding pupil, proposed a vote of thanks. Mr. Thompson was singled out by her for his thoroughness in scrutinising all things made by the students and his endeavour to help them; the donors of the prizes, and Mr. Simmons were also included in the vote. Mr. Clark and Mr. Westhead endorsed all that had been said.

Oxford.—The opening meeting of the sixth session of the Oxford and District Branch of the Pharmaceutical Society was held on October 10. There was an attendance of twenty-five. Mr. O. L. Carrington occupied the chair. A telegram was received from Mr. F. Gladstone Hines stating he would be late in arriving. The secretary (Mr. H. C. Goodall) invited Dr. G. Claridge Druce, a member of the Branch, to give a description of his progress along the ranks of pharmacy. Dr. Druce had completed his reminiscences when the president arrived with Mr. Hines. After opening the meeting, the president introduced Mr. F. Gladstone Hines, a member of the Council of the Pharmaceutical Society. In opening his address, Mr. Hines gave a brief retrospect of events during the twelve years he had been a member of the Pharmaceutical Council. In the retrospect he instanced the improved internal reorganisation of the Pharmaceutical Society, the higher standard of entrance examination, the definite form of apprenticeship indenture, and the new scheme of Qualifying examination. He argued there had been no real progressive legislation since 1868. He was out to obtain for the pharmacist fair treatment from the State, wider powers to the man himself and wider powers to the Society itself, the evolution of the statutory body and not the belittling of its functions by State departments, the sole right to dispense medicines, the abolition of misleading titles of business, a remedy for the abuse of widespread granting of licences for the sale of agricultural and horticultural poisons, an enlarged statutory status and a true functional development of the Society. He also emphasised the need of pharmaceutical representation in Parliament. Following the address, questions were put by Messrs. Deacon, Loxley, Neave, Jull and Goodall. A cordial vote of thanks was proposed to Mr. Hines by Dr. Claridge Druce.

Southport.—There was a large attendance of pharmacists and representatives of wholesale houses on October 9, when the Southport branch of the Pharmaceutical Society held its annual Benevolent Fund evening. Mr. T. R. Newton (president) was in the chair, and he was supported by Mr. E. H. Simmons, member of the Council of the Society and chairman of the Benevolent Fund Committee; Mr. J. W. Wilkinson, deputy town clerk and deputy clerk of the Southport Insurance Committee; Mr. J. Robinson (Liverpool): and the following ex-presidents of the branch:—Messrs. J. Rightou. W. H. Smith, James W. Gee, Harold Barton, A. H. Messenger, and W. H. Kendrew; Mr. R. Stirling Macdouald (treasurer), Mr. G. I. Rushton, Mr. T. Pickering, Mr. L. G. Meachim, Mr. W. H. Sutcliffe, Mr. J. Denham, Mr. H. Phillips,

Mr. G. B. Sawyer, Mr. J. H. Appleby, Mr. J. Andrews, Mr. F. Orr, and Mr. Iddon. The president submitted the loyal toast. He then proposed the toast of "The Pharmaceutical Society." and prefaced it by extending a welcome to Mr. Simmons on his return visit to their Association. Mr. Newton extended a welcome to the deputy clerk of the Health Insurance Committee. He was sure there was no need to dwell on the many excelleaces of the Pharmaceutical Society, but he must touch upon the Benevolent Fund. This was one of the most important duties which the Society undertook, and he would like to think that that gathering would remember the proud position which it had held for some years and send to London another record collection. Mr. Newton aunounced that the following houses had sent donations: British Drug Houses, R. J. Reuter, Smith & Co., Ltd., Warrick & Co., Ltd., St. Dalmas. Ltd., as well as Mr. T. Edward Lescher, O.B.E., Mr. H. Wilson (Birkdale), Mr. Wilson (St. Paul's Street), Miss Coldwell, and their secretary (Mr. H. Orr) from whom they were pleased to hear, as he was away. Mr. Simmons, in reply, the stand the hearth of the secretary in the secretary of thanked the branch for inviting him again to speak on that subject of benevolence. The money was gathered entirely from people in their trade, it was distributed by the men elected by the members, and no outside body had a right to interfere with the way in which they administered the fund. Some complaint had been made of the secrecy that was observed in the administration of the secrecy that was observed in the administration of the fund, that there was not quite enough publicity given to the work they were doing. One of the first-things he (Mr. Simmons) did on being appointed chairman of that Committee was to get the consent of the Council to the publication, every month, of a synopsis of the cases that had been dealt with during that month. A synopsis of the cases that had been dealt with the previous month by the Benevolent Fund Committee did not give the most intimate details-he did not think their subscribers wanted them; he did not think they need go any further in that direction than they were doing—because they must remember that a great number of their cases came after considerable hesitation to ask help their cases came after considerable hesitation to ask help at their hands. Some people said they should elect them by a vote of the whole of the subscribers in preference to the method now adopted of election by the Committee. There was something to be said on both sides. In Southport they had set a lofty standard that would have to be lived up to by the rest of the country, and he hoped they would emulate it themselves. The president theu announced that the collection would be takeu. This realised a sum of £19 7s., which was brought up to the satisfactory total of £21 16s. 6d. Mr. Newton said he would like to take that opportunity of Newton said he would like to take that opportunity of saying how well the representatives of the wholesale houses had supported them.

Retail Pharmacists' Union

Chemists' Sickness and Provident Society

Circulars are being sent out by the secretary of the Retail Pharmacists' Union calling attention to the formation of the Chemists' Sickness and Provident Society, which has been registered under the Friendly Societies Acts. Any number of shares not exceeding ten may be taken by each member at rates commencing at 2s. 4d. a share per lunar month, subject to an age-limit for entrance. The entrance fee is 5s., and each applicant pays the cost of medical examination. As an example of the benefits arranged for, it is mentioned that a member aged forty, with six "shares," would pay 16s. 6d. per lunar month. If he fell sick he would receive 60s. a week for twenty-six weeks, and for the next twenty-six weeks he would get half that sum, and if then still under a doctor after that time he would receive 18s. a week. Sick visitors may be appointed to visit those who are receiving benefit. At death or at the age of sixty-five, the sum standing to a member's credit is payable. It is pointed out that there are attractive features of the conditions differing from those of ordinary insurance policies. Full particulars are obtainable from Mr. G. A. Malliuson, 4 and 5 Queen Square, London, W.C.1.

Pharmaceutical Society

of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held on October 19 in the Society's rooms, Belfast, the president (Mr. A. C. McBride) in the chair. There were present also Messrs. W. J. Hardy, H. Todd, J. E. Connor, R. I. Edwards, Fred Storey, H. Lancashire, W. E. Wilson, Samuel Gibson, W. Martin, J. F. Grimes, H. McRoberts, S. S. Badger, James Dundee, Professor Small, and Dr. Acheson. An apology for absence was read from Mr. John Maxwell. Mr. D. L. Kirkpatrick, secretary, was in attendance.

NEW MEMBER WELCOMED

The President extended a hearty welcome to Mr. H. McRoberts on taking his seat on the Council for the first time. They were very glad to see him as an old friend and as a member of the Council.

CORRESPONDENCE

Mr. H. N. Linstead, secretary and registrar of the Pharmaceutical Society of Great Britain, wrote acknow-ledging the congratulations of the Council on the occasion

of his marriage.

Messrs. T. R. Cambridge (Carrickfergus) and C. E. Carmichael wrote resigning associate membership of the Council.

Professor Henry, secretary of the Academic Council

of Queen's University, wrote :-

"I have been asked . . . as to whether we will accept the King's Scholarship examination, 2nd Division pass, as the King's Scholarship examination, 2nd Division pass, as equivalent to the Pharmaceutical examination. As this is a matter for your Society as much as for the University, will you be good enough to furnish me with a statement of the views of your Society upon the point submitted? I may say that we accept the King's Scholarship examination, 1st Division pass, as equivalent to our own Matriculation examination, provided that the subjects taken are identical with those required by the University in the faculty which the candidate wishes to enter."

The matter was referred to the Education Committee, with Council powers to cover all examinations.

ELECTION OF PRESIDENT

Mr. Todd proposed Mr. W. J. Hardy, the present vice-president, as president. He said it was not necessary to enlarge on his good qualities. Very few men could boast of such long and faithful services to pharmacy as Mr. Hardy. On the old Council he had served them for twenty years, while to the Northern Society he had been a tower of strength.

Mr. CONNOR in seconding said that Mr. Hardy had

Mr. Connor, in seconding, said that Mr. Hardy had been a most valuable colleague on the old Council in Dublin. He would make an excellent president in every way. Not only was he well known in Dublin, but he was well known across the Channel.

Mr. W. E. Wilson proposed Mr. Storey as President, referring to his services in connection with the Pharmacy and Poisons Bill and the formation of the Society. His

and Poisons Bill and the formation of the Society. His and roisons Bill and the formation of the Society. His name had been proposed a year ago, and in a very sporting manner, and in the interests and peace and good will of the Society generally, he withdrew. Things had gone on smoothly since, and when they remembered Mr. Storey's services his claims to the presidency could not be passed over. He had all the qualifications necessary for the chair.

Mr. GRIMES seconded the election of Mr. Storey, urging the claims of the drug-trade section to the chair. Mr. Storey would, he believed, make an impartial and dignified president. He had great experience in the chair of the Chemists' and Druggists' Society of Ireland and on the old Council in Dublin.

Mr. LANCASHIRE supported the election of Mr. Storey purely on the ground that it would remove a stigma that had been cast on them last year of not having acted as sportsmen. The feeling was abroad, rightly or wrongly, that Mr. Storey had been harshly treated two years ago. His election would clean the slate and tend to remove all petty jealousies.

The President asked Mr. Wilson to withdraw his proposal. He hoped that Mr. Storey would be their

Mr. BADGER, Mr. CONNOR, Mr. EDWARDS, and Mr. Todd joined in the appeal to Mr. Wilson to withdraw, all stating that they would be glad to see Mr. Storey

as vice-president.

Mr. Grimes, Mr. Wilson and Mr. Storey withdrew for consultation, and on their return Mr. Wilson said the observations of the speakers practically amounted to this—that Mr. Storey would be president next year if he were returned to the Council.

The PRESIDENT : Quite right.

Mr. Wilson: And that every member present will exercise his influence in that direction.

The President: We can only do our best.

Mr. Wilson: Very well, then, I withdraw Mr.

Storey's name for the sake of peace, love and harmony in the Council.

Mr. GRIMES and Mr. LANCASHIRE agreed, and Mr.

Hardy was thereupon elected unopposed.

The PRESIDENT expressed his pleasure at the turn of events. Mr. Storey, he said, was a hard fighter, and had done a great deal both for the pharmaceutical chemists and the registered druggists. He was now both a pharmaceutical chemist and a registered druggist himself. He (the president) was delighted Mr. Hardy had been elected to the chair. They had a great deal to do, particularly in the way of getting a new building as headquarters. He wanted all to work together for the good of pharmacy. Mr. McBride then invested Mr. Hardy with the chain of office and vacated the chair.

Mr. Hardy, returning thanks, said a great honour had been done him. He was indeed gratified that these little differences had been sunk. Having paid tribute to his predecessors, Mr. Todd and Mr. McBride, Mr. Hardy said he would do his best to follow in their footsteps. He thought that better feelings prevailed in the Council now than at the beginning. They respected each other to-day in a way that they did not three years ago. The Society was one body; their interests were all one. Good progress had been made by the Council during its written. He trusted that the question of their housing existence. He trusted that the question of their housing accommodation would be seriously taken up, also the institution of a benevolent fund. He understood that conversations were taking place with a view to the amalgamation of the three trade bodies, and he hoped that they would be successful. He personally had a great regard for Mr. Storey, and did not regard the discussion that day as a personal one. He hoped that Mr. Storey would occupy the chair next year. (Applause.)

ELECTION OF VICE-PRESIDENT AND TREASURER

Mr. McBride moved the election of Mr. Storey as vice-president, observing that he had worked hard for pharmacy. Their discussion that day had cleared the air, and after Mr. Hardy had finished his term they would do what they could to place Mr. Storey in the

Mr. Gibson seconded the motion, which was supported by Mr. Badger, Dr. Acheson and Professor Small, and

passed unanimously.

Mr. Storet, in reply, said he always enjoyed a fight. He had always aimed at peace and unity in the working of the trade. He appreciated Mr. Hardy's words. The matter was not a personal one at all, and he thought that things were now in good shape, and after what had happened that day he hoped that the amalgamation of the Societies would go through quietly. He congratulated Mr. Hardy on being elected president, and wished

him a very successful year of office.

On the motion of Mr. Storer, seconded by Mr. Todd, Mr. James Dundee was re-elected treasurer of the Society, and suitably acknowledged the compliment, referring to the assistance given him by Mr.

Kırkpatrick.

TRIBUTE TO RETIRING PRESIDENT

A replica of the president's badge was handed to Mr. McBride by Mr. Hardy, who said that they could not have been better served by anyone than by Mr. McBride. Too much could not be said about his diplomacy and tact during the year.

Mr. McBride, in reply, said he had endeavoured to do his best for pharmacy.

ELECTION OF COMMITTEES

The following committee were elected:-

Education.—Professor Small, Messrs. McBride, Todd, Dundee, Taylor, Edwards, Badger, Gibson, W. E. Wilson, and Martin.

Luw.—Dr. Acheson, Messrs. Edwards, Maxwell, Connor, McRoberts, Taylor, Todd, Gibson, Martin, and Grimes, General Purposes.—Dr. Fielden, Messrs. McBride, W. E. Wilson, Dundee, Edwards, McRoberts, Lancashire, Gibson, Martin, and Todd.

Finance.—Messrs, McMullan, Grimes, Todd, W. E. ilson, Maxwell, Gibson, McBride, Dundee, Lancashire, and McRoberts.

OTHER BUSINESS

The Law Committee recommended that the Council accept the assurance scheme as offered to the Pharmaceutical Society of Great Britain by the following companies :- The Friends Provident and Century Life Office, the Scottish Equitable Life Assurance Society, and the Standard Life Assurance Co., at the terms specified. They also recommended that the solicitor to the Society be paid an annual fee of twenty guineas. On the motion of Mr. Badger, seconded by Mr. Gibson, the recommendations were adopted.

Discussion took place on the question of purchasing a

building for the Society's offices.

The President said it all depended on getting a substantial grant from the Government, otherwise they would have to wait till they had a sufficient sum available

Mr. Storey stressed the need of a central building where pharmacists of the city and country could meet. They had power in the Act to buy a building, but had not power to institute a benevolent fund, which would be a matter more for the new combined Association.

Mr. McBride reminded the Council that the annual meeting had asked the Council to take the matter up.

A Government grant was, however, necessary.

Dr. Acheson suggested referring the matter to the joint Finance and General Purposes Committees to bring in a scheme, and this was agreed to.

Mr. John Joseph McVeigh, The Square, Warrenpoint,
was elected a member of the Society.

The Chemists of Manchester

By Frank English

THE centenary dinner of the Manchester Pharmaceutical Association merits more than a passing reference, if only to place on record an occasion which does not occur to many organisations of a similar type. To have continued in active existence from Early Victorian times to the present gives a pharmaceutical antiquity the attractiveness of which it is difficult merely to pass by. The president's remarks briefly reviewed its formation in 1828 and passed on to describe its varied activities in the general interest of pharmacy over a century's space. To detail these activities is beyond the scope of this brief note, but I cannot refrain from stating that in periods of pharmaceutical difficulty, not merely pharmacists themselves, but the Pharmaceutical Society, have received liberal help from their confrères amidst the great industrial area which surrounds Manchester, where active commerce not merely sharpens wits but affords the opportunity of wisely estimating all sides of a thorny question. Initially, the main work of the Association was with its immediate trade interests—prices of drugs, etc., a few general business regulations, coupled with a tinge of bonhomie at the meetings. There is one factor, however, which is probably in danger of being ignored: I refer to the active opposition made by the chemists and druggists of Manchester against the Stamp Bill of 1830, one of the attempts made in the early part of the last century to consolidate the various Stamp Acts, amongst which were the Acts relating to stamped medicines, ending in a petition to the House of Commons against the Bill as it stood. I am venturing to append the petition, extracted from the Journal of the House Commons, volume 85, year 1830, page 527:—

"A Petition of Chemists and Druggists of Manchester, in the County of Lancaster, and the Neighbourhood, was

presented, and read; setting forth, That the Petitioners approach the House respectfully to complain of the vexatious and injurious operation of the Medicine Stamp Acts, on their retail trade; that these grievances of the Petitioners are partly to be ascribed to the departure from the original principle of the Act of the 23rd. of his late Majesty, the primary object of which Law was to affix a revenue mark on advertised Patent Medicines, nostrums, and secret preparations, and thereby enable the public to discriminate between such preparations, and the authorised official articles, whilst the latitude of its provisions, originally so expressed as to reach every form of mere quackery, has expressed as to reach every form of mere quackery, has lately been so abused as to encroach on the trade in such regular Drugs and preparations as have at all times been sanctioned by the highest authorities, and are introduced into the systematic Pharmacoposias of the Colleges of London, Edinburgh and Dublin; that the Petitioners have for many years suffered from such an extended operation of the Acts, because the collection of its imposts by forced constructions of its provisions does not harmonics with the of the Acts, because the collection of its imposts by forced constructions of its provisions does not harmonise with the practices of their trade, and although not contemplated, as they believe, by the Legislature, as oppressive, is nevertheless a mode of collection offensive to purchasers, and very detrimental to vendors; that the Petitioners humbly call the attention of the House to the Schedules of Medicines which at several times have been annexed to the Acts, of whose abuses and misconstructions they complain; it will appear that in these tariffs are proscribed as empirical many Medicines and Drugs of well-known and long approved character, whose reputation has been established for ages, and which are articles of regular commerce in all civilised countries, and this proscription of such valuable Medicines is founded on no better reason than that some nostrums have been advertised under the name of Drugs of approved efficacy, and in consequence the schedule not only gives the nostrum by its special name, but also proscribed the original drugs, where the adventise has exemped; therefore drugs, whose name the advertiser has assumed; therefore drugs, whose name the advertiser has assumed; therefore these approved Drugs cannot now be lawfully sold, without taking out a Licence for dealing in Medicines, which is repugnant to the Petitioners, nor without a Stamp appended to them, by which the Petitioners have been and are exposed to informations, penalties, and prosecutions; the Petitioners, having long suffered in their trade by the operation of the Medicine Act, the affixed stamps being always an offensive measure to buyers, and an impediment to trade, which has been remitted to the hatters, the glovers, and the perfumers and in direct apposition to the principles and the perfumers, and in direct opposition to the principles and the perhumers, and in direct opposition to the principles of free trade now generally received and adopted, humbly pray the House will take their case into consideration, and grant them relief, by a repeal of the aforesaid Medicine Stamp Acts, or by exempting from their operation all Medicines or Medicinal Compounds whatsoever, which are not strictly proprietary, or by such other means as the House shall deem expedient." shall deem expedient.

The Bill failed to pass the House of Commons owing to opposition from all quarters, and thus pharmacy was left in respect to "Patent Medicines" to continue under the general legal provisions of prior Acts. Those who are interested in the "extension of the Schedule" to which the petition refers will find it on page 314, "Journal of the House of Commons," vol. 85, under date, April 8, 1830, and it is well worth spending more than a few lax moments in perusing. Some hope had arisen that at the centenary dinner Sir Wilfred Sugden, M.P., would find the occasion a pertinent one in which to refer to the more pressing problems which confront the pharmacist in the relation to the State. The topic of hygiene, which bulked largely in Sir Wilfred's remarks, can only have a comparatively remote association with pharmacy—on the other hand are matters calling for almost daily consideration—Dangerous Drugs Acts and their interminable Regulations, Labelling of Poisons Order, National Health Insurance and dispens-ing, the proximity of further legislation dealing with the retail and probably wholesale distribution of scheduled poisons, Food and Drugs Acts, to which may be added organo-therapy as falling within the pharmacists' scope of business. These subjects having been left severely alone create an impression, now becoming indelible, that the Member of Parliament for pharmacy must be a pharmacist if the Legislature is to have first hand knowledge of the position and claims of pharmacy in legisla-tive matters; the actual "bread and butter" interests as well as those of the vocational and professional type can only be voiced by one of the craft. This is a real can only be voiced by one of the craft. This is a real matter which pharmacists must recognise thoroughly, and aim at an immediate attainment of direct representation to safeguard their position.

Dublin and Provincial Drug Trade Association

Annual Meeting

THE annual meeting of the Dublin and Provincial Retail Drug Association was held in Dublin, on October 8, Mr. H. J. Sumner (president) in the chair.

STATEMENT OF ACCOUNTS

Mr. McLean Lee (treasurer) submitted statement of accounts for the past year from which it appeared that there was an excess of income over expenditure of £101 7s. 4d.

Mr. WARWICK moved the adoption of the statement.

PRESIDENT'S ADDRESS AND REPORT

The PRESIDENT said he must thank the Committee and those who had helped him in every possible way. Association had had an uneventful year, but that did not mean that they had not been working. A number of little things had been done, and very often it was the little things that counted. What they might was the little things that counted. What they might call the most brilliant feather in their cap was the removal of the medicine-bottle tax. He thought he could honestly say that its removal was due solely to the D.P.R.D.A. Its removal was a matter that they had to congratulate themselves on, because it had removed a great deal of expense and annoyance to the members of the Association who had had to put up with a tax which, he thought, was a most unjust one, because that class of bottle could not be manufactured in this country. in this country.

Several members of the Association, including himself, greatly enjoyed their visit to Tramore last July. The Waterford chemists gave them a really good time. And not only was it an enjoyable time, but it was also instructive. During the year they had to deplore the removal of Dr. Barnes to London. Dr. Barnes was, he thought, the gentleman in whose brain the idea of the D.P.R.D.A. originated; and he had done excellent work for the Association while he had been in Dublin. They had also lost Mr. Ellis, who had joined up with the United Drug Company, but they had a good substitute in Mr. Fred Robinson. There had been some grumbles on one or two occasions because the price list was not issued at this time of the year. This was the time at which they elected their new officers; and it was the new officers who had to do with the getting in of the advertisements and various other items connected with the price list, which was not issued until some time in the early spring, and was not issued to anyone who had not paid his subscription.

Regarding the activities of the Association during the year, there were one or two little things he would like to mention. One of their members had been charged what he thought was a most unjust tax by the Customs authorities. Acting as an individual, that member had not much chance of getting the payment refunded. The Association got into communication with the Customs officials, and they were successful in getting a refund. The Closing Order did not apply in the suburbs of Dublin. One of their members, he believed the customs industries as the contract of the co through inadvertence, was keeping open until 9.30. Another member close at hand decided that he would keep open until 9.45, and a third member did much the same. The Association, hearing about it, wrote to the three members, each of whom stated that he would willingly close at 9 o'clock if the others did so. Ultimately they all closed at 9 p.m.

mately they all closed at 9 p.m.

The Association had decided to make the subscription a flat rate of £1 5s. instead of £1 5s. with an extra payment for apprentices and assistants. They hoped that the finances of the Association would not lose to any great extent, because the change ought to be an inducement to everybody to come in. The number of members of the Association at the beginning of the year was 341. Of these, 303 only paid their subscriptions for 1928. In addition, there were twenty-eight new members during the year. The membership on September 30, 1928, was 331, a decrease of ten on last year's figure. There were twenty-four committee meetings held.

DISCUSSION

Mr. FIELDING said he had great pleasure in proposing the adoption of the president's report, which was very interesting. He wished to say how very much they appreciated in the South the energy of the Association. Mr. McGahle seconded the motion.

Dr. Walsh said the president's address was a most interesting one, and they enjoyed every word of it.

The motion was adopted.

The motion was adopted.

Mr. Warwick proposed the re-election of the following members of the committee who retired by rotation: ing members of the committee who retired by rotation:—Sir Thomas W. Robinson (Dublin), Mr. P. Liston (Limerick), Dr. J. N. Walsh (Dublin), Messrs. A. R. Lester (Cork), D. M. Watson (Dublin), G. A. McLean Lee (Dublin), and H. J. Sumner (Dublin).

The President said he would like to say how gratified he was to see Mr. Fielding, of Cork, and Mr. Keogh, of Bundoran, present. They had to congratulate themselves that they had members who took such an interest in the Association as to travel such long distances to attend.

Mr. Fielding said it sometimes happened that those of them who were long past the examination stage wondered which schedule a particular poison came under. It

dered which schedule a particular poison came under. It was the English Act that was in most of their poisons books. He suggested that when the Association's book was next being printed that form would be adopted in conformity with the law in the Free State.

The President said he thought Mr. Fielding's sug-

gestion was an excellent one.

Mr. Lee said it would be quite an easy matter to put a footnote to their list.

Mr. DWYER: Would we not go a little further and put in the D.D.A. items? Mr. WATSON: That would follow as a matter of

course. It would involve the patents list being marked as well.

The PRESIDENT: Yes. It would involve the whole list

and would be very desirable.

Mr. Smith asked Mr. Fielding if he thought that the work which the committee of the Association did in Dublin was agreeable to the members in Cork.

The PRESIDENT: There have been unofficial complaints.
Mr. SMITH: Yes. I would like to know, while Mr.
Fielding is here, if he has any suggestions to make with
regard to the work of the Association through the Com-

mittee.

Mr. FIELDING said the remarks made by his friend,
Mr. Smith, were a most flattering testimonial to the
chemists of Cork. It showed the great interest that they
took in the Association. The prices were keenly watched
and keenly discussed at the meetings of the Cork chemists.

Mr. KEAWELL said he would like to know if the Association had any power to expel members who openly violated the rules. The reason he raised the point was because

of the question of discounts given to co-operative bodies.

The PRESIDENT said the Association certainly had power to expel members, and they would exercise it, too.

Mr. WATSON suggested that Mr. Keawell should send the book to which he referred to the Committee.

Mr. Lee said these members on the list should be written to by the Secretary.

VOTES OF THANKS

Mr. Warwick proposed and Mr. Boone seconded a vote of thanks to Mr. McLean Lee for his arduous work

Mr. LEE, in acknowledging the vote of thanks, stated that he had not now to do nearly as much work as treasurer as he formerly did, a considerable part of it having been taken off him by Mr. Kidney. The Committee hoped that the fixing of the subscription at £15s. would increase their membership.

On the motion of the PRESIDENT, seconded by Mr. SMITH, a vote of thanks to Dr. Walsh was passed.

ELECTION OF OFFICERS

At a meeting of the Committee of the Association subsequently held the following officers were re-elected: President, Mr. H. J. Sumner; Vice-President, Mr. J. T. Dwyer; Treasurer, Mr. G. A. McLean Lee; Auditor, Mr. Ronald E. Campbell.

A vote of thanks to Mr. Sumner was passed in appreciation of his services as president during the year.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Local Reports

ENGLAND AND WALES

Bristol.—A meeting of the Insurance Committee was held on October 8. The report of the Pharmaceutical Service Subcommittee presented gave particulars of three cases in which it was alleged that chemists had been negligent in dispensing test prescriptions. With reference to the first case, it was stated that the chemist concerned was in poor health, and was resigning from the list. He was present when the prescription was dispensed by his assistant. The Subcommittee recommended that he be severely censured, and that £2 be withheld. In the second case, the Subcommittee considered that another chemist had been grossly negligent in dispensing two prescriptions. He had put in a letter stating that at the time he was worried and ill. The Subcommittee recommended that he be severely censured and the sum of £10 be withheld. The third case related to two prescriptions. The withholding of £1 was recommended in this case, which was considered a minor one. In moving the adoption of the report, a member said Bristol chemists themselves aimed at a very high service on behalf of insured persons, and it was to the credit of the chemists that the Committee had so few unsatisfactory cases to deal with.

Derbyshire.—At a meeting of the Insurance Committee it was reported that doctors and chemists were notified on August 24 that Radiomalt could not be paid for from the Insurance funds. Payment for all scripts dispensed by the chemists prior to the date mentioned had, however, been authorised. Returns for the month of July showed that the total number of prescriptions made up by panel chemists was 45,463, giving a frequency of 0.27 per insured person. The average cost of ingredients was 3.6d., the average dispensing fee 4.4d. per prescription, and the average total cost per insured person 2.2d.

Gloucester.—At a meeting of the City Insurance Committee on October 1, the clerk reported that the analyst's certificates of analyses in respect of three samples of drugs and appliances taken during the third quarter of the year had been considered by the chairman and one pharmacist member of the Pharmaceutical Service Subcommittee, who were of opinion that no action was necessary! Commenting on the report, the chairman said he was sure the Committee would receive it with very great pleasure. They found that the chemists of Gloucester were doing their work with remarkable accuracy, and insured persons ought to be congratulated that they were being served by such a good body. The reports they heard from their analyst were surprising.

London.—A meeting of the London Panel Committee was held recently. It was stated that the present position with regard to splints was unsatisfactory; owing to the doubt which existed as to the exact definition of a splint, practitioners when ordering appliances for their patients could not be certain whether they would be allowed at the cost of the chemists' fund. The Ministry of Health had stated that while a spinal jacket required for the treatment of tuberculosis of the spine might properly be regarded as a splint, a jacket required for the treatment of lateral curvature could not properly be se regarded. It was reported that a letter received from the Insurance Committee stated that after June 1, 1928, no further payment would be made in respect of prescriptions for the following preparations:—Bragg's charcoal biscuits, California syrup of figs, McCoy's cod-liver oil tablets, Melovol jelly, Miol, Ostelin, Ostelin tablets, Ostelin with orange juice, Sal vitæ, Sulis water, Sulphaqua bath charges, Varicosan bandages, and Zomogen tonic food.

London.—The monthly meeting of the Insurance Committee was held recently. The Finance Subcommittee recommended payment of accounts amounting to £48,494 15s. 4d. Among these were the following:—To chemists for the medical year 1928. £42.644 7s. 5d.; testing of drugs (analysts' fees), £72 3s.; pricing depart-

ment (salaries), £695 2s. 7d. The accounts were passed. The report of the Medical Benefit Subcommittee included the following statistics in reference to the prescriptions issued, figures for June 1928 and the corresponding figures for June 1927:—

Total number of pre-	June 1927	June 1928
scriptions	665,654	638,379
Cost of dispensing fees	£12,261 17s. 1d.	£11,715 Os. Od.
Total cost of pre-		
scriptions	£22,546 7s. 5d.	£21,519 3s. 9d.
Av. cost of ingredients	3. 71 d.	3.69d.
Av. cost of dispensing		
fces	4.42d.	4.40d.
Total number of persons	1,779,938	1,806,345
Av. number of prescrip-		
tions per person	0.37	0.35
Av. cost per persón	3.04d.	2.86d.

Middlesex.—The bimonthly meeting of the Insurance Committee was held on October 1. The Finance and General Purposes Subcommittee recommended payment of accounts amounting to £58.257 10s. 10d. Among these were the following:—To chemists, June accounts, £4,670 1s. 9d.; Chemists' Fund, July accounts, £4,548 3s. 3d.; to practitioners for dispensing fees, third quarter, 1928, £243 7s. 7d. The accounts were passed. The Subcommittee also reported that in June the average cost per prescription was:—For ingredients, 4d.; dispensing fees, 4.4d.; that the prescription frequency per person was .3; and that the average total cost per insured person was 2.3d. In July the average cost per prescription of ingredients was 3.9d.; dispensing fees, 4.4d.; total average cost per prescription, 8.3d.; prescription per insured person was .3; and the average cost per insured person 2.3d. The report was adopted.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on October 3, Mr. Thomas Marns in the chair, Mr. C. J. A. Taggart (Harrow) was elected to fill the vacancy caused by the retirement of Mr. H. Rigden. A proof was received from the R.P.U. of the preparations to be included in the National Formulary which is being compiled by the B.M.A. This was found to be based largely upon the B.P.C., and was approved generally though marred by the inclusion in certain formulas of preparations official only in the U.S.P. The supervisor's report contained the following particulars:—

| June | July | 135,587 | Total cost of dispensing fees | 4,4d, | Average dispensing fee | ... | 44d, | July | 135,587 | 15tal cost of dispensing fees | 4,4d, | 4,3d, | 4,3d, | ... | 15tal cost of dispensing fee | ... | 4,4d, | 4,3d, | 4,3d, | ... | 15tal cost of dispensing fee | ... | 4,4d, | 4,3d, | 4,3d, | ... | 4,3d, | ... | 15tal cost of dispensing fee | ... | 4,4d, | 4,3d, | 4,3d, | ... | 15tal cost of dispensing fee | ... | 4,4d, | 4,3d, | 4,3d, | ... | 15tal cost of dispensing fee | ... | 4,4d, | 4,3d, |

During May, 1,026 prescriptions for the Ministry of Pensions (London region) were dispensed, valued at £55 15s. 6d., and during June, 1,620, valued at £80 8s. 8d. The following particulars relate to the second quarter of 1928:—

	No. of	Total value	
	prescriptions	£ s. d.	
Insulin	 737	328 5 4	
Serums and vaccines	 185	63 15 9	
Hypodermic syringes	 16	2 8 0	
Hypodermic needles	 - 79	3 16 11	

Articles disallowed during June and July number forty-three, including seven brushes, eye shades, finger stalls, elastic knee caps, glass syringes, Valgus pads, Thermogene, Fehling's and Benedict's solution, hypodermic syringes and needles (not for insulin), and Virol and Sanatogen ordered after July 1. Attention was directed to the confusion caused by the disallowance in London of medicines which are allowed without question in Middlesex, and it was reported that questions on this subject had been addressed to the chairman of the Middlesex Insurance Committee at a recent meeting. In his reply, the chairman agreed that vitamin and other medicinal preparations disallowed in London were being allowed in Middlesex. He stated that there is no statutory provision or regulation empowering an insurance committee to restrict the right of an insurance practitioner to order such drugs as are, in the exercise of his professional judgment, requisite for his insured patients.

THE next "rat week" arranged by the Board of Agriculture commences on November 5.

Visit to Hospital

On October 17, a party consisting of 124 members and friends of the Manchester Pharmaceutical Association and of the local Branch of the Pharmaceutical Society met at the Out-Patients' Hall, Nelson Street, for the purpose of making a tour of inspection of the many departments of the Manchester Royal Infirmary at the invitation of the Board of Management. The party, on account of its size, was divided into nine groups. The account of its size, was divided into nine groups. The nine guides consisted of volunteers from various departments, including three from the pharmaceutical department. The chief pharmacist (Mr. W. H. Butchers) undertook the general arrangements, assisted by the two honorary apothecaries, Messrs. William Kirkby and A. E. H. Blackburn, and the members of the pharmaceutical staff. The parties, starting from the out-patients' department, journeyed to the pharmaceutical department, which is under the supervision of the chief pharmacist



Photo7 [Cleworth AT MANCHESTER ROYAL INFIRMARY Left to right: Mr. A. E. H. Blackburn, Mr. W. H. Butchers, Mr. W. Kirkby, M.Sc.

and his assistants (five qualified pharmacists in all). There the visitors saw a dispensing department which supplies an ever-increasing demand under ideal conditions. Many pharmacists expressed great admiration for the way that everything was kept: the stock rooms and manufacturing section of the pharmaceutical department, in particular, were much praised. Then they passed to the In particular, were much praised. Then they passed to the x-ray and massage department, where treatments and attendances during 1927 amounted to 116,205, afterwards going on to the accident rooms, where they were informed that the attendance in the casualty departments last year was 99,357. The laundry proved to be an astonishing and well-organised department, where over 19,000 pieces are dealt with weekly. The clinical department, general stores, kitchen and works department (where 85 tons of coal is consumed every week) were all visited tons of coal is consumed every week) were all visited. The various theatres, of which there are eight, are constantly in use, and during 1927 nearly 11,000 operations were performed. The visitors were very interested in the newest and most up-to-date methods of lighting, etc. Then there were the spacious and airy medical and surgical wards, the nurses' dining halls, the private chapel and the heard warms. and the board rooms.

After the tour of inspection the party adjourned to the medical board room, where afternoon tea was served.

It was learned that the Infirmary's income during 1927 was £112,864 and its expenditure £115,515. Mr. Nidd, in moving a vote of thanks to the Board for their kind invitation, said that he, like many other pharmacists, had not visited their very fine institution before. He would like to add a word of congratulation to the Board on the manner in which every department was organised and kept in such an excellent state of efficiency. When one considered the tens of thousands of patients who passed through their hands, it was a task not to be envied, and he hoped that when the appeal was made for financial assistance the visitors would not forget their indebtedness and would contribute generously. Mr. F. G. Hazell (general superintendent), replying, thanked Mr. Nidd for the generous way in which he had proposed the vote. He wished to emphasise, however, that no special preparations had been made to impress the visitors regarding the condition of the establishment.

Associations' Winter Session

Doncaster.—At a meeting of the chemists of Doncaster and district, held at Doncaster on October 18, Mr. Shaw in the chair, the president of the Proprietary Articles Trade Association (Alderman Alfred Higgs) and the organising secretary (Mr. J. A. Kenningham) spoke on the activities of the P.A.T.A. Alderman Higgs pointed out that at the present time, through the P.A.T.A., chemists were assured of a reasonable profit on their sales of proprietary articles, and urged those on their sales of proprietary articles, and urged those present to use every endeavour to persuade distributors of new proprietaries to protect them through the medium of the P.A.T.A. Mr. Kenningham referred to the daily activities of the Association. He estimated that the P.A.T.A. covered the sales of proprietary articles to the approximate value of £20,000,000 per annum in the United Kingdom Mr. Kenningham in considering the content of £20,000,000 per annum in the sales of £20,000, United Kingdom. Mr. Kenningham, in conclusion, expressed the thanks of the Association to Mr. H. Stiles, for arranging the meeting. On the motion of Mr. Stiles, votes of thanks were accorded to the speakers.

London (S.W.).—A lecture-demonstration on the handling of Dennison crêpe and decorated crêpe for window displays was given on October 16 by a display expert sent by the Dennison Crepe Paper Co. to a joint meeting of the South-West London Chemists' Association and the South-West Junior Branch of the Society. The lecture proved interesting to proprietors, managers and assistants. The number of ways in which crêpe could be cut, pleated and draped were shown, and very striking displays were arranged in a few minutes. Colour schemes with ordinary and with decorated crèpe, with the help of festoons and streamers, were described and demonstrated. The lecture was brought to an end with a series of lantern slides in colour thrown on the screen, showing many kinds of chemists' lines being admirably displayed by the help of Dennison crêpe.

Scottish Pharmaceutical Federation .- A meeting of the Executive Council of the Scottish Pharmaceutical Federation was held in Edinburgh on October 15, Mr. A. A. Dick (president) in the chair. Fourteen applications for membership were passed. Several claims were considered. It was reported that, in connection with the Federation's scheme for general insurance, twenty-three policies had been taken out recently.

York.—At a meeting of the York and District Chemists' Association, held on October 17, Mr. Atkinson (president) in the chair, the president of the Proprietary Articles Trade Association (Alderman Alfred Higgs) and the organising secretary (Mr. J. A. Kenningham) gave addresses on the work and activities of the Association. Mr. Atkinson, in introducing the speakers, referred to the debt owed to the P.A.T.A. and its founder, Sir William Glyn-Jones, by the chemists of the country. Alderman Higgs gave a short history of the P.A.T.A., and contrasted the present position of the F.A.I.A., and contrasted the present position of the trade with that with which he was familiar prior to 1896. He pointed out that the P.A.T.A. now practically guaranteed to every chemist a "living" profit, and urged retailers to do their best to see that all new proprietaries were placed on the protected list of that organisation. Mr. Kenningham gave an account of the P.A.T.A. work.

Trade Notes

J. W. EDMONDS & Co., 55 Holborn Viaduct, London, E.C.1, have acquired the selling rights of Sir Hiram Maxim's Pipe of Peace inhalers and Sequah remedies.

CREME SHALIMAR.—Dubarry et Cie, 81 Brompton Road, London, S.W., elsewhere in this issue give some par-ticulars of their forthcoming advertising campaign in respect of Crème Shalimar.

KARL Höll, A.G., Langenfeld, near Cologne, Germany, who are manufacturers of tubes and sprinkler tops, refer to these products in the advertisement pages and invite inquiries for quotations.

LICORICINE SHOWCARD.—Mandall & Co., Ltd., manufacturing chemists, Tower Works, 17 Stepney Road, Newcastle-on-Tyne, have issued a particularly attractive showcard of novel design for their Licoricine.

MOORLAND HEALTH ALMANAC.—W. B. Cartwright, Ltd., Rawdon, near Leeds, are now in a position to offer their 1929 almanac to pharmacists at extremely low prices, including inscription with the chemist's own rame and address. name and address.

ALLENBURYS' VITAMIN D PRODUCTS.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have for some time enriched a number of their products by the addition of synthetic vitamin D, but no change has been made in the packing or the directions for use.

UNIVERSAL ELECTRIC HEATING PAD.—S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C.1, ask us to call attention to the fact that they are the sole suppliers to chemists of the Universal heating pad advertised in last week's issue of the C. & D.

DAYMARK RAZOR BLADES.—W. J. Myatt & Co., Ltd., Argent Works, Graham Street, Birmingham, have secured the Army contract for the supply of safety razors and blades. This is the second Government order received by the company, as a similar contract was recently obtained from H.M. Office of Works.

THE RUBBER GROWERS' ASSOCIATION, INC., 2, 3 and 4 Idol Lane, London, E.C.3, make in this issue an announcement regarding "Rubber in the Home," a booklet which will be of business and domestic interest to most of our subscribers. A sample copy can be obtained by filling in and forwarding the coupon.

Howards' Aspirin Tablets .- Howards & Sons, Ltd., Ilford, wish to draw the attention of chemists to the fact that the bonus scheme in connection with Howards' aspirin tablets closes on October 31. The offer is four dozen 10d. bottles free to each retailer ordering two gross 25's aspirin tablets, provided a window show is made.

CLEANSING OF BOTTLES .- Thomas Hill, Beverley Road, Hull, has sent us a copy of sectional catalogue G, which deals with the Thomas Hill system of cleaning bottles. Manufacturers and others who use a large number of bottles in the course of their business will find the list useful and interesting, as in addition to containing particulars and illustrations of various types of machines there are a number of practical hints on bottle cleaning.

WELLCOME. PHOTOGRAPHIC DIARY .-- A copy of the 1929 edition of this encyclopædia of photographic methods has recently reached us, and inspection reveals how carefully each section is overhauled annually to keep the information up to date. Apart from the diary pages and the technical data there is the exposure calculator, one of the most valuable features of the handbook and an infallible guide. The frontispiece of "The Great Doorway, Temple of Confucius, Peking," a very contrasty subject, is a triumph for the accuracy of the exposure calculator. Page 2 of the frontispiece shows a fine reproduction of a direct colour photograph, "June in an English Garden," illustrating how suited is tabloid Rytol and tabloid reversing compound for colour work. At the retail price of 1s. 6d. (in England) the Diary is excellent value, and should find a prominent place in the Christmas displays. Burroughs Wellcome & Co. issue four editions of the Diary, respectively for the Northern hemisphere, the Southern hemisphere, Australasia and the United States of America. one of the most valuable features of the handbook and

"Evans' Journal."—We have received from Evans' Biological Institute, Runcorn (Evans Sons Lescher & Webb, Ltd., Liverpool and London), a copy of No. 1 of the new series of "Evans Journal" (pp. 32, 5 in. by of the new series of "Evans' Journal" (pp. 32, 5 in. by 7½ in.), a periodical which is to be devoted to the newer things in medicine, therapy, pharmacy and biology. Chemists will find the contents of this issue of considerable interest, as among the matters dealt with are: "The Injection Treatment of Varicose Veins," "Ergot in Post Partum Hæmorrhage," "Colloids in Medicine" (Part I), "Composition of Malt Extract and Cod-liver Oil Emulsions," "Liver Preparations," and "Abstracts from Current Literature."

TOILET PREPARATIONS.—We lately called attention in the C. & D. to the importance of cultivating the sale of toilet preparations in a chemist's business. There are many proprietary preparations, which, whether due to advertising or reputation, or both, are well known and in frequent demand all the year round. Among these are the Larola preparations of M. Beetham & Son, Cheltenham. Larola itself, for example, can be purchased in every English-speaking country, and most others where English is rarely spoken. With so large a "circulation" the chance of a product becoming dead stock is so remote that the matter is not worth considerable. sidering, while such an article, owing to its reputation and the numerous purposes for which it can be used, can and the numerous purposes for which it can be used, can be sold twice while the customer is considering a similar though unknown line. Satisfaction with the use of one toilet article invariably leads to an inquiry for others, and to meet this need Messrs. Beetham offer Rose Bloom (rouge), Lily Bloom (liquid powder), face powder (in three shades) and soap (in boxes of three tablets).

Trade-mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1928, p. 329.

(From "The Trade-marks Journal," October 3, 1928.)

"TABENGYL" and "VELTIT"; for medicinal chemicals (3). By F. J. Bengué, 24 Fitzroy Street, London, W.1. 494,632/633.

"Evaxol"; for medicinal chemicals (3). By Hough, Hoseason & Co., Ltd., Sun Buildings, Bridge Street, Manchester. 494,707.

Manchester. 494,707.

"PINUSOTE"; for medicinal chemicals (3). By The United Drug Co., Ltd., Rexall Building, Waterway Street, Nottingham. 494,762.

"TANGAL"; for optical instruments (8). By Carl Zeiss, Carl-Zeiss-Strasse, Jcna, Germany. 494,460.

"JUSTOPHOT"; for all goods (8). By Drem Products Corporation, 152 West 42nd Street, New York, U.S.A. 494,541.

"CLOWN"; for soap (47) and (48). By C. C. Goodwin, Ordsall Lane Soap Works, Manchester. 493,082/083. (Associated.)

"(Associated.)

"PRODAG"; for all goods (47). By E. G. Acheson, Ltd.,
40 Wood Street, Westminster, S.W.1. 493,185.

"HANKY" and "HANDKERCHIEF"; for goods (47) and for
perfumed soap (48). By J. Bibby & Sons, Ltd., 21 King
Edward Street, Liverpool. 493,672/673/674/675. (Associated.)

ciated.)

Picture of shell; for tooth paste (48). By Dr. G. E. Lee's Hygienic Laboratories (Africa), Ltd., Hong Kong Buildings, Hooper Lane, Durban, Natal; S. Africa. 486,078.

"LITEFOOT"; for bath salts (48). By R. J. Phillips, "San Marino," Upper Tooting Park, S.W.17. 493,217.

"LUCE'S"; for perfumery, etc. (48). By Luce's Eau-de-Cologne Co., Ltd., 179 High Street, Southampton. 493,726. (Associated.)

"FOAMBEAM"; for perfumed soap (48). By The Hon. J. P. B. O. Freeman-Mitford, 10 Grosvenor Street, London, W.1. 493,800.

"Paddy"; for perfumery, etc. (48). By Co-operative

London, W.I. 495,800.

"PADDY"; for perfumery, etc. (48). By Co-operative Wholesale Society, Ltd., 1 Balloon Street, Manchester. 494,005. (Associated.)

"SEALOW"; for waterproofing compounds for textile and leather goods (50). By Ozone Chemical Co., Ltd., Coppice Road, Talke, Stoke-on-Trent. 487,697.

"VITALEX"; for loofahs (50). By W. G. Savage, 65 Palmerston Road, Southsea. 493,602.

Marriages

Bartlet—Donoghue.—At Holy Trinity Church, Charlton, on October 18, by the Rev. P. A. Hanaghan, Leslie Bartlet, Ph.C., second son of Mr. Alexander Bartlet, M.P.S., Charlton, London, S.E.7, to Dorothy Elsie Donoghue.

HAY-LLOYD.—On September 17, Charles James Hay, Panilkande, Deniyaya, Ceylon, to Cynthia Vida, only daughter of Mr. Henry B. Lloyd, chemist and druggist, Cheltenham.

SMART—ADAM.—At South Morningside U.F. Church, Edinburgh, on October 20, Gordon Smart, chemist and druggist, Ardrossan, to Annie Masson Adam.

STUBBS—SMILEY.—At Eccles Presbyterian Church, Manchester, on October 17, Albert Stubbs, B.Sc., to Agnes G. (Nance) Smiley, M.B., Ch.B., only daughter of Mr. R. J. Smiley, Pendleton, representative in the Midlands, Lancashire and part of Yorkshire of C. R. Harker, Stagg & Morgan, Ltd., manufacturing chemists, London, E.L. London, E.1.

Deaths

Bately.—On October 18, Mr. Stephen Briggs Bately, chemist and druggist, 682 High Road, Tottenham, London, N.17, aged fifty-nine. Mr. Bately, who was born at Bradwell, Great Yarmouth, commenced business to Tottenham thinty in records 2000. at Tottenham thirty-six years ago. At the funeral, which took place at Burgh Castle Church, near Bradwell, the president of the Pharmaceutical Society, the North London Pharmaceutical Association and many friends in pharmacy were represented by floral tributes.

Crowden.—At 12 Kilmaurs Road, Edinburgh, on October 21, Mr. Samuel Graham Crowden, chemist and druggist (late The British Drug Houses, Ltd.), aged seventy-three. Mr. Crowden was born in Buckie, and was educated at Cookney Parish School and Aberdeen Grammar School. He was apprenticed to Mr. John Webster, chemist, Buckie. In 1874 Mr. Crowden joined the staff of Clark & Pinkerton, Greenside Place, Edinburgh, and was with them for twelve years as assistant warehouse manager, town and country traveller successively, covering Scotland from Shetland to Stranraer. He passed the Qualifying examination in 1878. In the early 'eighties he took a great interest in the Edinburgh Chemists', Assistants' and Apprentices' Association, act-ing first as treasurer and then as secretary. In 1886 Mr. Crowden joined the representative staff of Hodgkin-sons, Stead & Treacher which firm is now absorbed in The British Drug Houses, Ltd. In their interests he travelled from Newcastle to Inverness and also visited the principal cities in Ireland. Mr. G. F. Merson, F.C.S., Edinburgh, writes :-

Mr. Crowden's sagacious and virile personality, coupled with a fine courtesy and considerable kindliness and his with a fine courteey and considerable kindliness and his happy faculty of combining business and friendship, made the prospect of his periodical visits to his firm's customers and their staffs much more than a mere incident in the day's routine. His ready and understanding sympathy and his most encouraging and helpful advice, based on a wide and ripe experience, endeared him to the large circle of friends with whom in course of business he was brought in contact. with whom in course of business he was brought in contact. It was his constant endeavour, regardless of what trouble it might involve, to be a helper to all young men especially, and many a man in a good position to-day will readily admit how greatly he was indebted to Mr. Crowden for the wise counsel and kindly guidance so freely given when preparing for the business of life or looking out for a new appointment. Advancing years and failing health occasioned his retiral into private life three years ago. He had a particularly happy home life. Mrs. Crowden predeceased him a year or two ago. Of his family, his three sons served in the war. The cldest is now manager of a large paper factory near Lisbon. Another son. a pharmaceutical chemist, died from illness contracted at Salonica. His youngest son, now a teacher in George Watson's College, was severely wounded in the Somme battle and is at present seriously ill. There are also four daughters, one married, one a widow, and two are also four daughters, one married, one a widow, and two at home.

DAVIDGE.—At Leigh-on-Sea, on October 16, Mr. Henry Ernest Frederick Davidge, chemist and druggist, aged seventy-four.

DRYDEN.—At his residence in Eversley Road, Sketty, Swansea, on October 20, Mr. Thomas Dryden, chemist and druggist, for many years in business in Neath Road, Landore, aged sixty-six. Mr. Dryden, who was a member of the Swansea Board of Guardians, leaves a widow, a son and a daughter.

Holgreaves.—At 63 Lansdowne Road, Handsworth, Birmingham, on October 17, Mr. Henry Holgreaves, chemist and druggist, aged thirty-nine.

LLOYD.—At St. Luke's Villas, Cheltenham, on October 14, Eva Ada, dearly loved wife of Mr. Henry B. Lloyd, chemist and druggist.

McIntosh.-At Dunkeld, on October 2, James McIntosh, chemist and druggist, aged twenty-nine.

Scorr.—At Calcutta, on October 20, Archibald Macarthur Scott, youngest son of H. F. Scott, chemist and druggist, Inverkeithing, Fifeshire, aged twenty-four.

SIME.—At 58 Marchmont Road, Edinburgh, on October 18, Mr. Thomas Sime, chemist and druggist (late with Duncan, Flockhart & Co.). Mr. Sime qualified

STONES.—At Ashton-under-Lyne, on October 14, Mr. James Whitam Stones, chemist and druggist, aged forty.

Personalities

Mr. A. E. Hobbs, J.P., Ph.C., Tunbridge Wells, has been appointed senior warden of the Medway Lodge of Mark Master Masons.

MR. F. A. MONK, chemist and druggist, Alton, Hants, has been elected a member of the committee of the local Chamber of Commerce.

Mr. J. W. THOMPSON, chemist and druggist, Oldham, has been elected a member of the committee of the Crompton Tradesmen's Association.

Mr. Robert A. Evans, chemist and druggist (Kennedy & Evans, chemists), Wallasey, was recently installed W.M. of Prince Llewelyn Lodge, No. 4596.

CERTIFICATES OF NATURALISATION have been granted to F. H. K. Naue, chemical merchant, 17 Winifred Road, Merton Park, Surrey, and to S. Rosner, dentist, 258 Caledonian Road, Islington, London.

C. W. Kempsey-Bourne, chemist and druggist, West Bromwich, described the training and qualification necessary for admission to the Register of Chemists and Druggists in an address given recently before the local Rotary Club.

MR. FREDERICK M. JAMES, second son of Mr. J. M. James, chemist and druggist, Ravenscourt Park, London, W.6, has passed the London Matriculation examination with distinction in mathematics at the age of fifteen. He is apprenticed to his father.

MR. W. MORGAN JAMES, chemist and druggist, Builth Wells, was installed W.M. of the Loyal Wye Lodge, No. 1807, on October 18. Mr. James was honoured by the presence of the Prov. Grand Master, Wor. Bro. Sir Charles L. D. Venables Llewellyn, Bart., the Deputy Prov. Grand Master, Wor. Bro. David John Jones, P.G.D. (Eng.), his wardens and stewards of the province.

Information Department

INFORMATION WANTED

Pestal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

H/2210. Blake's green label

L/2210 Bugle brand packed goods, D. & C.
L/1910. Burney Yeo's atomisers (not the respirators)
H/2210. Carbolic smoke balls (present London

supply)
r. Bushman's clear-B/1710. Dr. Bushman's skin soap E/2210. Drying liniment

M/2310. Falconia tooth-brushes C/1510. Juniper tar soap N/2210. Meredith's or Merton's nail polish B/2310. Salveno liquid horse blister S/1719. Stevenson's peroxide tooth-paste E/1110. Sweepo sweeping

E/1110. Sweepo sweeping
powder
E/2210. Thyrocrin
B/2210. Trimenthol for colds

Observations and Reflections

By Xrayser III

Manchester

has a fine record in pharmacy, and Manchester pharmacists are to be congratulated upon always having had capable leaders during the past hundred years, just as they have to-day. What they were celebrating at their centenary dinner on October 10 (C. & D., October 20, p. 488) was apparently the fact that records had been found which proved that some Manchester chemists and druggists were combined for business purposes in 1828, if not earlier still. But nothing like a continuous history for a hundred years can be claimed for the existing Manchester Pharmaceutical Association. I have an impression that the Aberdeen Association can claim a longer record, and that the Colchester and Birmingham Associations, come very near Aberdeen in point of antiquity. Manchester, however, has a finer record than most other local associations, and it was a happy thought to have a centenary dinner which could be presided over by the veteran historian of the Association and of so much else that interests us as pharmacists.

Medicine Vendors

who are not chemists and druggists cannot expect to receive sympathy from many of your readers when they find themselves in trouble in connection with the sale of medical preparations. It occurred to me, however, when I read your report of two such persons being committed for trial because of alleged false pretences, that the case might easily develop in such a way as to prove vastly inconvenient to some in our own ranks. The charge against the accused virtually was that, by making exaggerated statements respecting a liniment they offered for sale, they had committed a serious offence. But the preparation offered for sale consisted of ingredients which were not unsuitable for rubbing oils, and it was difficult to see why those who made exaggerated claims for it should be allowed less licence than the proprietors of much vaunted proprietary liniments on the market. There was shown to be a big profit on the bottles of liniment, but I should doubt if the margin between cost and sale price was greater than in the case of some well-known and popular proprietaries. If the defendants had been convicted of conspiring to cheat and defraud because they made exaggerated claims and realised big profits, the result might have proved highly inconvenient for many others who are carrying on what are regarded as quite reputable bnsinesses. The acquittal of the accused (C. & D., October 20, p. 482) was probably, therefore, in the general interest, much as any of us may feel disposed to decry the sale of medicines by nnqualified persons.

Economy in Prescribing

is not a thing to be encouraged if it can only be accomplished to the disadvantage of patients, but the Insurance Acts Committee of the British Medical Association appears to think otherwise. The memorandum of prescribing, upon which you comment (C. & D., October 20, p. 492), seems to be based upon the idea that insured persons mnst put up with what they can get in the form of medicine, the cheapest article being always ordered for preference. One turns with a feeling of relief from your account of this record of parsimoniousness to your report of the recent meeting of the No. 4 Lancashire Pricing Bureau (p. 498), where it was stated explicitly that insured persons are entitled to the drugs prescribed for them by their panel doctors, without any limit to the character of what is ordered. Probably, the B.M.A. pundits would confirm this statement; but, while reminding practitioners that they may order any drugs for their insured patients, they suggest a variety of petty meannesses in prescribing, and add to practitioners' worries by reminding them of what may happen if they prescribe what they like. If this memorandum on prescribing is one of the outcomes of the cooperation between the British Medical Association and the Retail Pharmacists' Union, which we have heard so much abont, it is not to the credit of the pharmacists concerned any more than the doctors.

What is Wanted

to secure economy in the supply of medicine for insured persons is to make the panel practitioner's position so secure that he or she can afford to send patients away without prescriptions when satisfied that no medicine is required in their particular cases. Any practitioner who now ventures to tell a patient that he does not need medicine risks the loss of that patient from his list. The medicine taking habit is so firmly established among insured persons that failure of a doctor when consulted to write a prescription for medicine, however unnecessary, is regarded as sufficient reason for notifying a desire to change the doctor, and the transfer is usually to the panel list of a practitioner who writes prescriptions freely without question. In this way, undne frequency of prescribing is encouraged, and it may be expected to continue until doctors can enjoy greater security of tenure when they act in the best interests of their patients.

Common Salt,

like water, is one of the indispensable substances for the maintenance of life, and is as universal in its distribution. Many strange notions have at sundry times been associated with it, but, I think, it is only in comparatively recent times that there has been any suggestion that it might be a cause of disease when nsed in excess. During the last hundred years several writers, medical and lay, have expressed themselves as being of the opinion that the excessive use of it is injurious and may be the prime cause of cancer. The revival of the idea tempts one to look np the literature on the subject, and it does appear that a number of authorities have misgivings as to whether an undue increase in the intake of salt may account for some of the troubles of civilised humanity. For the most part articles dealing with the subject have not been given an extensive hearing, at least in these recent days. About eighty years ago, however, were published two curious books written by a London medical practitioner, Robert Howard, of which one must have had a fairly extensive sale, for a fourth edition of it was issued within about a year. This work was entitled "Salt, the forbidden fruit, or food; and the chief cause of Diseases of the Body and Mind of Man and of animals; as taught by the ancient Egyptian Priests and Wise Men, and by Scriptnre." The fourth edition is dated 1851.

Robert Howard, M.D.,

was evidently a man of wide reading and of an original turn of mind. His treatise on salt was largely derived from the other book referred to, which was called "Revelations of Egyptian Mysteries... with a discourse on Health." Consequently his ideas were based very largely upon what he considered to be the teachings he found in the writings of the ancients. His natural ingenuity, combined with his medical knowledge and his regard for the classics, led him to think that in Egypt, with its excessive supply of salt, he had found an illustration of a theory which could be taught with great confidence. Not cancer only, but scurvy, consumption, ophthalmia (so prevalent in Egypt), asthma, as well as insanity and chilblains, he thought were caused, or increased, by an excess of salt. Howard brought into his books a great deal of very curious information, much of which is now obviously useless except to the dabbler in antiquarian lore. Some of his remarks dealing with his own day are illuminating. There is one passage in particular in which he treats of the presence of sulphurous acid gas in the London atmosphere, which gas, he says, gives immunity to the city from the destructive general fevers and plagues of former times. He goes on to point out the evils resulting from an impeded circulation of wholesome air in the foul alleys and courts. When engaged with practical matters Dr. Howard became a man of vision; in theoretical ideas, no doubt, he was a visionary. Those who are interested in the history of the art of preserving health will not overlook his contributions.

ST. VINCENT ARROWROOT.—The exports from St. Vincent during 1927 amounted to 3,195,478 lb., valued at £53,309.

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Editorial Articles

The Proposed Reform in Local Rating

THE subject of rates and rating is one to which the average citizen does not readily turn with enthusiasm, but it is one which assessment notices and demand notes do not permit him to forget for long. It may, therefore, be safely assumed that the forthcoming autumn session of Parliament is being looked forward to with an unusual degree of public interest, as it is to see the introduction of the Bill which is to enable effect to be given to the measures of rating relief promised by the Chancellor in his Budget speech in April last. Mr. Churchill, it will be remembered, proposed that agriculture, which had already been specially favoured in the matter of rate exemption, should be relieved of rates altogether, that the rates on properties engaged in manufacture or production should be reduced by threequarters, and that a like abatement should be made in the rates on freight-carrying railways, canals, harbours and docks, but only in the case of the latter on condition that the relief afforded should be passed on to the heavy industries by an equivalent reduction in freight charges. This, of course, will involve a loss of revenue to the rating authorities, but the loss is to be met by the Imperial Exchequer, and it will be the object of the forthcoming Bill to provide the method by which the financial relations of the Imperial to the local authorities are to be readjusted. Incidentally, this will necessitate some reforms of considerable moment in our local government system. Thus Boards of Guardians are to be abolished and their powers and duties fransferred to county councils and the councils of county boroughs. In London the Metropolitan Asylums Board will have its powers transferred to the London County Council, while the maintenance of all roads in rural districts is to be taken out of the hands of the rural district councils and become the duty of the appropriate county council in conformity with the policy of the measure, which is in general one of widening the unit of local administration. The purely administrative objects having been achieved, the financial proposals of the measure can be dealt with. The officially published forecast opens with a list of a number of the types of grant by which assistance is at present given from the Exchequer to local services, and which it is intended shall be swept away by the Bill. The variety and eccentricity of these various methods of subsidising local finance have for long made the relations of Imperial to local finance a matter intelligible only to the expert, while some of them, such as the percentage grants, cannot be regarded as other than incentives to inconsiderate expenditure by the bodies receiving the assist-

ance. Instead of these, it is proposed that the Exchequer shall pay over to the local authorities by way of block grant a sum calculated to cover (1) the loss due to the exempting from rates of the properties to be derated, (2) the estimated amount of the proceeds of the grants to be discontinued, and in addition (3) a further sum estimated to amount for Eugland and Wales to £5,000,000. As the first period for the operation of the the scheme will have for its basis of reckoning the loss of rates in the year 1928-29 and the loss of grants in the same year, subject to certain adjustments, it is not possible to construct an exact balance sheet showing the result of the change; but taking the losses on the basis of the year 1926-27, we find that the loss of rates in England and Wales would be some £24,000,000, and the loss in grants withdrawn approximately £87,000,000, or in all £111,000,000. This sum, together with the £5,000,000, would then constitute the whole amount of the grant to be apportioned among counties and county boroughs. The apportionment, it is proposed, shall take place not according to actual expenditure by the areas but in accordance with an ingenious formula constructed by combining the three factors of population, proportion to total population of children under five years of age, and the rateable value per head of population. Provision is at the same time made for modifying the formula in its application to districts classed as "distressed" areas, or in which the percentage of unemployment is unusually high, or, in administrative counties outside London, where the density of the population is unusually low. Thus, taking the actual population of the county or county borough in a year, this is to be increased (a) by the percentage by which at the last census the number of children under five years of age per 1,000 of the population of the area exceeded 50, and (b) by the percentage by which, according to the Valuation List in force on October first of the year prior to that in which the population lists are made out, the rateable value per head of the estimated population of the area is below £10. And as regards unemployment, the population of the area is to be still further increased if the percentage of the number of unemployed insured men averaged over three years exceeds 11 per cent. of the population by a percentage equal to ten times the excess over 11 per cent. While an allowance is also made in the case of a sparsely populated area, the standard in this case being 100 persons per mile of roads in the area. The adjustment where the population is less than 100 per mile of roads is made by adding the percentage by which the estimated population per mile of roads is less than 200. The population having been thus adjusted for the whole country, the total Exchequer grant can be distributed on this population basis for each area. In this way it is expected that uniformity of distribution will be secured throughout England and Wales. At the same time it is proposed that, in order to secure a minimum grant to each county borough or administrative county as a whole, where the allotted grant in aid to an area does not exceed the aggregate loss of rates and grants in the year by a sum equivalent to 1s. per head of actual population of the area, the grant shall be increased by such sum as will bring the net gain up to the equivalent of 1s. per head of the population. It is not to be expected that a measure of such far-reaching consequences will be accepted by Parliament without close scrutiny and considerable criticism of detail; but the promoters seem fortunate in being able to secure a time like the present for the putting forward of their proposals. The objects aimed at-rating reform, rearrangement of local government finance, treatment of the problem of unemployment, and relief of distressed areasare all such as ought to secure sympathetic consideration for the measure without reference to questions of party politics.

The Position of Pepper

Considerable interest has recently been displayed in the pepper market, principally on account of the substantial recovery in values after the somewhat heavy set-back of a few weeks ago. During the earlier months of the year Lampong pepper reached 1s. 6d. per lb. on the spot, whilst White Muntok rose to 2s. 3½d. per lb., at which prices a fair trade took place. Between the months of March and July various estimates of the new Lampong crop were received by importers from the source of origin, which differed considerably, with the obvious result that there were at times substantial fluctuations in values. At one period, owing to expectations of a very large crop, there was heavy and sustained "bear" selling by Continental interests of the August-October position (when the new crop is mainly shipped), and as a result of this pressure prices heavily declined, Lampong on the spot falling to 1s. 1½d. and Muntok to 1s. 10d. per lb., with the shipment prices correspondingly lower. Since that period there has been a big recovery, and at the present time the spot value of Lampong and Muntok pepper is 1s. 5d. and 2s. 2d. per lb. respectively. London continues in the enviable position of practically controlling the world's supplies of pepper, and this centralisation of supplies makes the position easier to determine. In former days, when large stocks were held both on the Continent and in the United States, it was always difficult to estimate the available supplies in these countries, as no reliable official records were available. In London, however, official figures are published weekly by the leading public warehouses and wharves where pepper is stored, with the result that there is always a complete record available, showing the movement of supplies over the briefest period. The imports, exports and inland withdrawals can therefore be seen at a glance, and it is very seldom these figures are incorrect, as only a small stock of pepper is warehoused privately. We have compiled the following statistics in an endeavour to arrive at a definite view of the future trend of the market. The figures are naturally approximate, and are based on information available up to September 30 last:-

Compet do labo.		Tons
London stock of black and white	•••	2,777
New York stock of black and white		1,000
To New York (now afloat)	•••	2,000
To Europe (now affoat)		1,700
Germany and Holland (stock of black a	nd	
white)		
Lampong crop (balance of crop)	•••	4,000
		
		11 007

It may now be taken for granted that the Lampong crop, which is the principal one, is generally estimated at 13,000 tons. From the beginning of the crop until the end of September about 9,000 tons have already been shipped, but the bulk of this total has gone into consumption to the Far East and the United States, thus leaving only a small quantity available for Europe. The fact that about 9,000 tons have already been shipped leaves only 4,000 tons, as balance of the new crop, to supply the various consuming centres. This amount will have to replenish stocks, especially as no further arrivals of any importance are expected to take place until the spring. The small shipments to Europe are reflected in the heavy decline in London stocks since the beginning of the present year, viz.:—

London stock of all peppers, January 1, 1928 ... 7,000 ,, ,, ,, Sept. 30, 1928 ... 2,777

Total decrease over nine months ... 4,223 It is interesting to note that the present London stock of White Muntok, viz., 300 tons, is the lowest on record. At the present moment both the Continent and American consumers are partly drawing their supplies from the London stocks, and an illustration of the bare conditions of the supply market ruling abroad is evidenced by the fact that they are urgent buyers of "afloat" parcels, and are prepared to pay an additional premium for all "near at hand " supplies. In visualising the future market trend it should be borne in mind that we are at present at the height of the consuming season, with four or five months to go before the Malabar pepper begins to arrive in the consuming centres in the West. Furthermore, if we take into calculation the world's average consumption at 3,000 tons per month, it would appear that consumption over the next few months must decline considerably if an acute shortage is to be prevented, especially as the visible supplies available are less than 12,000 tons. There is no doubt that present prices adequately pay holders, and, whilst we do not anticipate much higher prices, at the same time we see no justification for expecting lower prices, at least over the next few months unless some unexpected factor presents itself.

Quinine Tablets in India

THE controversy going on in India about the advisability of introducing a Food and Drugs Act has been stimulated by the disclosure that quinine tablets, a household article in almost daily use in that country, are grossly adulterated. In the correspondence which has taken place in the "Civil and Military Gazette" a letter from Mr. H. B. Tilden, a representative of Howards & Sons, Ltd. Ilford, summarises the state of affairs. He cites instances in which tablets, described as "5-grain," contained, in fact, less than one grain of quinine, the deficiency being made up of chalk and other insoluble matter. Almost worthless quinine tablets are manufactured in Lahore and are sold in bazaars throughout the city and, indeed, all over the Punjab. It is pointed out that district boards and municipalities buy these alleged 5-grain tablets for use in charitable and other dispensaries. The seriousness of this state of affairs in the "malaria season" is ness of this state of affairs in the "malaria season" is commented upon, and the public are urged to insist on reputable brands of tablets when making a purchase. The opportunity is taken of again focussing public attention on the equally clamant need for some sort of control over so-called "chemists" and the desirability of bringing about a Pharmacy Act. The fraud is also exposed by Mr. W. J. Campbell, of Smith & Campbell, Lahore, who points out the trick of the makers in printing—Co—in very small letters after the quinine bisuling—Co.—in very small letters after the quinine bisul-pliate, and so misleading the public. Mr. J. C. Ghosh, Principal of the Calcutta School of Chemical Technology, has forwarded a draft of the Pharmacy and Poisons Bill which would eradicate the trouble. Col. H. A. J. Gidney raised the question of the quinine frauds at the Legislative Assembly in Simla, but his motion was rejected on the grounds that it was "uncorroborated." Further questions were asked, and the general feeling is that something will be done towards controlling the evil.

New Books

Shaw, W.—Pharmaceutical Insurance Service. 6¼ in. by 4 in. Pp. 24. 1s. 1d. post free. The Author, 16 Cowley Hill Lane, St. Helens. [A handbook setting forth the working of the National Health Insurance pharmaceutical service. The author is the clerk to the St. Helens Insurance Committee. Lord Cozens-Hardy contributes a build respect to the St. brief preface.]

Dutt, N. B.—Commercial Drugs of India. 6½ in. by 4½ in. Pp. 256. Rs. 5. Thacker, Spink & Co., P.O. Box 54, Calcutta. [Statistics of yields and exports are not so numerous as one would expect from the introduction; the export figures do not go beyond the year 1922-23. The mention of the comparatively unimportant ginger-grass oil and the exclusion of palmarosa, followed by the complete omission of shellac, are points observed. There are notes on local uses for some of the drugs, e.g., aloes in purulent ophthalmia. Throughout there are blank in purulent ophthalmia. leaves for notes.]

Income Tax Laws

In a memorandum on the codification of income tax laws which the Federation of British Industries has forwarded to Somerset House the opinion is expressed that the to Somerset House the opinion is expressed that the Income Tax Act as at present constructed shall be divided into two Acts, namely, (1) the Income Tax Act dealing with all matters relating to the scope of the charge to tax, and (2) the Income Tax (Administration) Act dealing with all matters relating to the machinery for administering the tax; subject to two provisos, viz., (1) that close inquiry would be essential as to where precisely the dividing line should be drawn, and (2) that both Acts be codified at frequent intervals, as and when amendments passed since the last codification make it amendments passed since the last codification make it desirable, such amendments to either Act being, of course, permissible in the Finance Bill of any year.
With regard to the construction of the Bill, the sub-

committee recommended that the Income Tax Act should

be divided into four parts, namely:-

Income Tax.-To include the charging rules of the schedules.

Surtax .- To include the whole of the existing provisions relating to surtax and supertax.

Exemptions, abatements and reliefs. Returns, assessments and appeals.

As regards what re-arrangement should be made as to the splitting up of the charge to Income Tax into convenient headings, it was found that the simplest and most effective basis for dealing with the charge to income tax would be found by considering the nature of the income submitted to tax. All income chargeable to tax must, it was apparent, fall under one or other of the following three headings:—

(1) Income arising from occupation or ownership of land (tenements, hereditaments, etc.) in the United Kingdom.

(2) Profits arising from the carrying on of any trade, business, profession, employment or vocation carried on in the United Kingdom.

(3) Income arising from interest of money, discounts, dividends and the like, that is to say, investment income, and including all taxable income from foreign sources.

(In each case the necessary distinction between untaxed income and income taxes at the source would have to be maintained.)

maintained.)

It is suggested that the existing schedules could be amalgamated into these headings and the rules applicable could be similarly amalgamated. As it may be argued that the three headings do not cover every possible kind of income liable to tax, it might probably be necessary for the protection of the revenue to add some manifest providing to cover any possible emission. omnibus provision to cover any possible omission.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Yoghurt.—A process for preparing a mild, aromatic yoghurt curdled milk or yoghurt junket by treating boiled or pasteurised milk at low temperature with pure cultives of Bacterium bulgaricum, Micrococcus acidi lactici (Löhnis) and yeasts of Torula and Mycoderma groups which produce neither alcohol nor carbonic acid. (A. Zierer, Vienna. 272,468.)

Finely Divided Dry Soap.—The process of manufacturing soap in the form of a powder which comprises treating the soap to produce a free flowing condition, spraying the free flowing stock to break it into particles of uniform size and drying in a hot drying gas to effect evaporation of the water. (Industrial Spray Drying Corporation, New York. 269,506.)

Ethyl Chloride Tubes .- An ethyl chloride tube by means of which the jet may be directed in any desired plane without difficulty, characterised by two capillary outflow channels, of which one is connected to a rising pipe arrangement in the tube and the other communicating freely with the interior of the tube. (H. A. Müller, Schmiedenfeld, Thüringen. 292,966.)

The Assay of Belladonna and Hyoscyamus Leaves

By W. A. N. Markwell, F.C.S., and L. J. Walker, Ph.C., F.C.S.

THE work for this paper had its origin in the assay of a sample of Japanese henbane leaves. As the figure obtained was not in agreement with that obtained by another analyst, it was decided to investigate the methods of assay. Reference was first made to the British Pharmacopæia. Under "Ext. Hyoscyami," the B.P. directs that the extract should be assayed by the process described under dry extract of belladonna, and that the leaves should be estimated by the same process as belladonna leaves. In the case of the extract of belladonna (and also of the tincture), the alkaloidal residue from the final chloroformic extraction is directed to be heated on the water bath for half an hour before titration. In the assay of belladonna leaves, no such heating is directed. Thus the method of assay used for the leaves of belladonna and henbane differs from that of the preparations made therefrom. Therefore, no complete agreement can be expected between the results. In one agreement can be expected between the results. In one case the volatile bases are included, and in the other they are not. Here it can be mentioned that the B.P.C., under "Belladonnæ Folia," enumerates the volatile bases, but in the monograph on Hyoscyami Folia no mention of volatile bases is made. In addition, the literature reveals considerable difference in assay methods with regard to heating the alkaloidal residue. This is shown by the following, culled from various standard works of reference, etc. :-

creenish (1) recommends that hyoscyamus leaves should be treated as belladonna leaves for assay. Concerning the constituents of belladonna leaves he says: "The volatile bases pyridine, N-methyl pyrroline. N-methyl pyrrolidine and a diamine are also present; they are therapeutically unimportant but may vitiate assays of belladonna unless driven oif by heat." Greenish (1) recommends that hyoscyamus leaves should be

In the U.S.P. X no heating of the alkaloidal residue from belladonna leaves is directed. Regarding hyoscyamus, it is stated (2): "As the alkaloids from hyoscyamus are very sensitive to heat, a solution of these alkaloids should not be evaporated to dryness on a water bath. After the last trace of chloroform has evaporated spontaneously, 1 or 2 c.c. of neutral alcohol should be added and warmed but not entirely experted the resolution of the state of the st

evaporated, then cooled and titrated immediately."

Fischer's process (3) (based on the Ph. Helv. for hyoscyamus) suggests treatment corresponding to the U.S.P. Lucas and Stevens (4) state that hyoscyamus leaves should be assayed as belladonna. Under belladonna leaves, the directions are to evaporate the final chloroformic extract to dryness, dissolve the residue in 3 c.c. of ether and again evaporate to dryness "so as to remove the last traces of ammonia."

The German Pharmacopæia V directs that the estimation

mmonia."

The German Pharmacopæia V directs that the estimation of the alkaloids of belladonna and hyoscyamus be carried out by shaking out with volumetric acid from the chloroformic solution and subsequent titration. The process of Dieterle (5) is somewhat similar. The alkaloids are removed from the final ether extraction by N/50 HCl and titrated. From Japan comes the information that atropine is decomposed by simple steam distillation with the formation of atropamine (6) (Aoyama). The work of Palkin and Watkins on the "stability of atropine and hyoscyamine" (7) agrees with this conclusion. They direct that the final chloroformic solution be evaporated to about 5 c.c., the volumetric acid added, evaporation of the chloroform continued and the excess acid titrated with volumetric alkali. The same authors (3), describing a new process for the assay of hyoscyamus (in which the final extraction is treated as above), state that extended trials show that the new method yields more than three times the quantity of alkaloid obtainable by the U.S.P. process.

Concerning hyoscyamus, Stickarofsky (9) states that "under no circumstances should the dry alkaloids be exposed to heat on a water bath."

Caines and Evers (10) found in 1926 that the method of the B.P. with slight modifications was best for the assay of belladonna leaves.

It will be noticed that the foreign school are unani-

It will be noticed that the foreign school are unanimous in not subjecting the alkaloidal residue to heat. The reason given by Greenish for heating the alkaloidal residue is to drive off the volatile bases, whereas Lucas and Stevens state that it is to remove last traces of ammonia. As a matter of fact, we find that the last traces of ammonia and ammonium salts may be removed by washing the final alkaloidal solutions with distilled

This procedure is adopted by a number of analysts. We would point out that though the chloroform may absorb water in the process of washing, causing racemisation of the alkaloids during evaporation, no difference in the titration figure results (7). Assuming that the volatile bases, as stated by Greenish, are therapeutically unimportant, it would appear that the B.P. process of extract of belladonna is correct. On the other hand, the leaves cannot be properly valued for the preparation of an extract by the assay process of the Pharmacopæia for leaves, as in the process the alkaloidal residue is not heated and the volatile bases are thus included in the result. Further, it is to be noted that Caines and Evers, in the paper referred to, make no mention of heating the crude alkaloid. We agree with Stickarofsky in his conclusions. He states that errors in results of hyoscyamus assays can be traced to the sensitiveness of the dry alkaloids to heat. Figures are analysts. We would point out that though the chloroform sensitiveness of the dry alkaloids to heat. Figures are given showing the reduction of amount on heating. (The alkaloidal residue will include other substances besides atropine and hyoscyamine.)

It is also apparent from the foregoing that a difference of opinion exists between Greenish and others who consider the volatile bases to be therapeutically unimportant, and foreign analysts who consider them to be of sufficient importance to be included in the alkaloidal figure. Opinions of a number of analysts, experienced in alkaloidal assays, were obtained upon the matter of washing the alkaloidal solutions and heating the alkaloidal residue, etc., from hyoscyamus. Seven opinions are summarised below:—

Washing the final chloroformic solution: This procedure was adopted by five.

Evaporation of the chloroformic solution: Six analysts

evaporated to dryness on a water bath.

Heating the alkaloidal residue: Three heated according to the B.P. directions, one kept at 80° C. for twenty minutes, one at 80° C. for one to one and a half hours, one dried at 80° C., and the other did not evaporate to

Crude weight of alkaloids: Three only weighed before

Indicators used: Five used cochineal, one methyl red, other not stated. Considerable variation in procedure is apparent from the foregoing.

In order, if possible, to arrive at definite conclusions on these matters, the following experiments were carried out. The first three were designed to find the effect of heating the crude alkaloidal residue obtained from hyoscyamus for half an hour on a water bath.

EXPERIMENT 1

A sample of *Hyoscyamus niger* was used for this experiment. The acid solution of alkaloids was divided into two equal parts. One portion was taken, made alkaline with ammonia, and shaken out with chloroform. The chloroformic solutions were filtered, the bulk of the chloroform removed by distillation and the remainder by adding three portions of 2 c.c. of ether and blowing off with a current of air from a Fletcher blowpipe bellows. The alkaloidal residue was dissolved in acid and backtitrated. The other portion was treated in a similar manner, except that the alkaloidal residue was heated on a water bath for half an hour. The results obtained were as follows :-

(a) Not heated on a water bath 0.136 per cent, alkaloids (b) Heated for 30 minutes ... 0.136 per cent, alkaloids

EXPERIMENT 2

A sample of *Hyoscyamus muticus* was used for this experiment. The procedure was the same as above, and the following were the results obtained:—

(a) Not heated on a water bath 0.61 per cent. alkaloids (b) Heated for 30 minutes ... 0.549 per cent. alkaloids

EXPERIMENT 3

A sample of Japanese henbane was used for this experi-The leaves appeared to have been gathered very carelessly and dried without proper precautions, and for

this reason the sample was very dark brown in colour and had an ammoniacal odour. The same procedure as before was followed, and the results obtained were:—

(a) Not heated on a water bath 0.049 per cent. alkaloids (b) Heated for 30 minutes ... 0.023 per cent. alkaloids

Conclusion: - In some cases volatile bases are removed during heating on a water bath.

EXPERIMENT 4

To find out whether heating for half an hour has any and hyoscyamine, 0.14 gm. of hyoscyamine and 0.02 gm. of hyoscyamine and 0.02 gm. of atropine were dissolved in sufficient chloroform to make 100 c.c. of solution. This was divided into two equal parts. The chloroform was removed from one part as before, and the alkaloidal residue dissolved in acid and back-titrated. The other residue dissolved in acid and back-thrated. The other portion was treated as above, except that the alkaloidal residue was heated on a water bath for half an hour. The same result was obtained in each case, viz., 0.0793 gm., equivalent to 99.1 per cent. of the mixed alkaloids.

Conclusion:—On heating atropine and hyoscyamine for half an hour on a water bath, no loss results.

To find the effect on the result of an assay of washing the final chloroformic solutions of a mixture of atropine and hyoscyamine, 0.14 gm. of hyoscyamine and 0.02 gm. of atropine were dissolved in chloroform and then shaken out with dilute sulphuric acid and water. The acid solutions were divided into two equal parts. One portion was made alkaline with ammonia, shaken out with chloroform and treated as in the second part of Experiment 4. The other portion was treated in a similar manner, except that the final chloroformic solution was washed with 20 c.c. of water in two portions. The following were the results :--,

(a) Without washing 0.079 gm. (b) With washing 0.078 gm.

Conclusion: - Washing does not materially affect the

The alkaline solution used for the titrations in the above experiments was N/20 sodium borate as recommended by Rasmussen and Christensen (11). It was prepared from carefully chosen crystals showing no signs of efflorescence. Sodium borate has the advantage over sodium hydroxide in giving a stable solution which is comparatively unaffected by CO_2 . Moreover, the solution can be accurately prepared.

SUMMARY

1. There are discrepancies in published methods of assay and in procedure adopted by representative analysts, as the volatile bases are not always included in the results.

2. It appears that the amount of volatile bases present in samples of dried henbane varies, and is apparently dependent upon the method of collection, drying, and age of sample.

3. The assay processes of the B.P. for leaves and preparations of leaves do not give comparable results.

4. No loss results from heating atropine and hyoscyamine for half an hour on a water bath.

5. The effects of washing and of heating the alkaloidal residue are discussed.

It is hoped that in the next edition of the British Pharmacopæia these points will receive attention.

The experiments described above were carried out in the analytical laboratories of Potter & Clarke, Ltd.

BIBLIOGRAPHY

(1) Materia Medica, 4th edition, 1924. (2) Titration of the alkaloids, U.S.P. X. (3) Sueddeutsche Apotheker-Zeitung, 68, 38, 293. (4) Praetical Pharmacy, 3rd edition, 1924. (5) Archiv de Pharmacie (through Year-Book, 1924. p. 5). (6) Journal of the Pharmaceutical Society of Japan, 48, 26, 1928. (7) Journal of the American Pharmaceutical Association (through C. & D., March 1927, p. 370). (8) American Chemical Abstract, 22, 12, 2243. (9) Journal of the American Pharmaceutical Association, 16, 30, 1927. (10) B. P. Conf. 1926, "A comparison of the methods of assay of belladonna leaves with a view to international standardisation." (11) Dansk Tidsskrift for Farmaci, 1926, 1, 65-85.

Drawback on Zanzibar Clove Duty

SINCE the publication of the note (C. & D., October 13, p. 474), we have had the opportunity of inspecting the amendments in the "Customs Management Decree, 1926," as set out in the issues of the "Official Gazette" of the Zanzibar Protectorate, dated August 25 and September 1, "Clove oil vanillin" is defined as vanillin manufactured from eugenol derived entirely from cloves, mother of cloves or clove stems, which is expressly marketed as clove oil vanillin. An "approved vanillin manufacturer" means any person who shall have satisfied the Comptroller that he is an established manufacturer of clove oil vanillin, oz any person who, being the owner or lessee of a suitable factory, shall have furnished assurances satisfactory to the Comptroller that he intends to manufacture clove oi! vanillin, but does not include any person who, either directly or indirectly, has any interest in or connection with the rre or sale of vanillin other than clove oil The "approved clove oil distiller" is any manufacture vanillin. person who shall have satisfied the Comptroller that he is an established distiller of clove oil and that he is under agreement to supply clove oil to an approved vanillin manufacturer. The following new rules have been inserted directly after rule 60 of the principal rules :-

directly after rule 60 of the principal rules:—

60a.—(1) Subject to rules 60B and 60C, drawbacks of clove duty paid may be allowed on cloves which have been exported by the authorised agent of an approved vanillin manufacturer or of an approved clove oil distiller.

(2) If the composite amount, representing the purchase price of the cloves in respect of which drawback is claimed and the duty paid, exceeds the equivalent of Rs.9.75 per frasila, drawback at the rate of 25 cents per frasila may be allowed in respect of every 25 cents per frasila by which such composite amount exceeds the equivalent of Rs.9.75 per frasila, provided that drawback of duty in full may be allowed if such composite amount exceeds the equivalent of Rs.9.75 per frasila by not less than the rate of duty per frasila paid (frasila = 35 lb.).

Example

Example

Composite price—i.e., purchase price plus duty paid	Rate of drawback
Less than rs. 10 per frasila	rs. 0—25 p.f. ,, 0—50 ,, ,, 0—75 ,, ,, 2—25 ,, ,, 3—25 ,, ,, 3—40 ,,

60B.—(1) No drawback of clove duty shall be allowed unless the claim be accompanied: (a) by a declaration made by an approved vanillin manufacturer that the cloves or clove stems in respect of which drawback is claimed have been used in the manufacture of clove oil vanillin which is intended to be marketed as clove oil vanillin and have been entirely destroyed subsequent to the process of manufacture; and (b) by such documentary evidence as the Comptroller may require to connect the shipment of the goods in respect of which drawback is claimed with the process of manu-facture referred to in the declaration made by the approved vanillin manufacturer.

vanillin manufacturer.

(2) Every declaration required to be made under this rule shall be attested by a British Consular officer or some other person approved by the Comptroller.

60c.—No drawback of clove duty shall be allowed unless:
(a) the person making the claim shall satisfy the Comptroller that he is the authorised agent of the approved vanillin manufacturer or of the approved clove oil distiller to whose order the goods were purchased and exported; (b) the person making the claim shall have notified the Comptroller of his intention to claim drawback at the time the troller of his intention to claim drawback at the time the goods were entered for export; and (c) the person making the claim shall produce such books, accounts, etc., as may be required by the Comptroller for the purpose of verify-ing the purchase price of the goods entered in the claim.

Drawback claims should be submitted on form 19A (Customs forms) and be presented for payment within twelve months of the date of shipment of the goods for export.

ZANZIBAR CLOVES.—The exports from Zanzibar during the first half of 1928 amounted to 109,870 cwt., against 141,938 cwt. for the corresponding period of 1927.

Madagascar Cloves

Mr. V. H. Kirkman, B.Sc., F.I.C., Director of Agriculture and Government Chemist, Zanzibar, recently paid a visit to Madagascar to investigate the clove industry on behalf of the Zanzibar Government. The results of his investigation are embodied in a "Memorandum upon the Clove Industry in Madagascar in 1928," which is dealt with in the "Bulletin of the Imperial Institute" (Vol. XXVI, No. 3, 1928), in the course of which it is stated that about 25,000 acres have been planted with cloves during the past three years or so in the Province of Tamatave. Many of the young trees, however, will probably perish from lack of attention, but undoubtedly the industry is firmly established and will steadily increase in importance. The absence of heavy rain during the harvesting period (October-December) is of special advantage, as it enables the cloves to be obtained in a dry condition and of good colour, whereas in Zanzibar and Pemba the November rains render it very difficult to produce dry cloves, and almost impossible to maintain them of a good colour throughout the season. It is considered paid a visit to Madagascar to investigate the clove good colour throughout the season. It is considered that the natives have planted more trees in Madagascar than they will be able to harvest, the density of the population being only 22 per square mile, compared with about 200 per square mile in Zanzibar and Pemba. In general, the cost of production in Madagascar is less than in Zanzibar, but whereas there is a tendency for costs to decrease in the latter country, the opposite is the case in Madagascar. Zanzibar and Pemba have an and this has facilitated transport to an extent which would be impossible in such scattered cultivation as must necessarily obtain in Madagascar, and has also rendered possible the association of the producers, thereby paving the way for improvement in the marketing of the crop. advantage in the compactness of the area under cloves,

In view of the importance of the clove-oil industry, the following statements from Mr. Kirkman's memo-

randum are given verbatim:—

"The distillation of essential oil from cloves, stems and leaves is a well-established branch of the industry, and one which has increased very greatly in recent years. During the year ending December 1926 31 tons of oil were exported, and during the nine months ending Sentember 1927 38 tons were exported an increase of 50 September 1927 38 tons were exported, an increase of 50 tons a year. Cloves are less used than stems and leaves, and the latter are considered the more profitable, leaves being very cheaply gathered. I visited five distilleries and passed several others en route. Of the distilleries and passed several others en route. Of the five inspected, one was owned by a company (Société pour l'Industrie des Parfums), which bought its raw material from native producers, one was owned by an Indian, two by French colonists, and one by a native, all of whom produced their own raw material, at any rate in a large part. The fuel problem is a difficulty for some, others are situated near forest land, and have only the cost of cutting and hauling. The Indian informed us that wood fuel was becoming scarcer, and that he paid 10s. a metric ton for it. He was, however, starting to utilise the fern scrub from uncultivated land.

that he paid 10s. a metric ton for it. He was, however, starting to utilise the fern scrub from uncultivated land. "The cost of production varied greatly, and it was not always the case that the distillers had any idea of their own working costs; the highest cost of production was put down at 1s. 10d. per lb. of oil, and the lowest at less than a quarter of this. Leaf oil is sold locally at 2s. 6d. per lb., and stem oil at 2s. 9d. per lb. "The mingled gratification and surprise shown when I informed distillers that distillation of cloves, stems and

informed distillers that distillation of cloves, stems, and leaves was prohibited in Zanzibar impressed me. I formed the opinion that they regarded distillation as an essential feature of the clove industry. In the neighbourhood of Tamatave there are—or rather were, for the cyclone of 1927 more or less destroyed them—planta-tions of young clove trees being raised specially for their leaves, just as the cinnamon is frequently grown. With the large amount of planting which has been done by the natives, and the consequent shortage of labour and higher wages, it is inevitable that the larger plantation owners will look more and more to the distillery as a way out of the difficulty. Ylang-ylang, cinnamon, lemon grass, etc., are attracting attention as side lines in the clove-growing areas, though the island of Nossi Bé is the great centre for ylang-ylang and other essential oils, and cloves are not grown there. There is an unmistakable expansion of the essential oil distillation industry taking place, and, with the large amount of clove leaf available, I consider that the distillation of cloves themselves, whether undertaken in England or elsewhere, is being threatened. English distillers will before long have to meet the competition of the cheaper clove leaf oil, and this will cause them to offer lower prices for cloves. It is fundamentally unsound to utilise the bud of the clove-tree for the preparation of eugenol if it can be more cheaply prepared from the leaves. Pro-duction from the leaves necessitates local distillation, and local distillation would encourage the production of other essential oil-bearing crops-in my opinion an important

matter.
"If local distillation were permitted in Zanzibar it would be a help to producers, and would enable dis-tillers to operate in this country and compete on more than equal terms with the increasing number of leaf distillers in Madagascar. I say on more than equal terms because the concentration of our clove areas would enable large-scale operations to be carried out, impossible in Madagascar, and such operations would mean lower cost of production, and a better-class article. The Madagascar oil is, I was informed, re-distilled in

France."

In concluding his memorandum, Mr. Kirkman remarks that although the future output of cloves in Madagascar cannot be accurately foretold, it is possible that 4,000 tons per annum may be produced within ten years. In view of this large increase in the world's years. In view of this large increase in the world's production of cloves, steps should be taken to increase the demand. Zanzibar should ensure her full share of the trade by improving the marketing organisation, and the producers must get the cost of production down to at least the level of the competing country. If these things are done, Zanzibar will be in the better position. There is plenty of room for a clove industry in Madagascar. World consumption is increasing, and the satisfactory supply of the commodity will stabilise the satisfactory supply of the commodity will stabilise the markets. It is not necessarily the case that production in Madagascar will do Zanzibar real harm.

As the production of eugenol from leaves by local distillation has proved capable of successful competition with clove oil distilled in Europe, the synthetic vanillin problem must be reviewed. It is considered highly probable that clove leaf oil may become a more serious competitor than guaiacol or safrol, and it would seem that it is in Zanzibar's power to solve the problem very

much to her own advantage.

Canadian Sulphuric Acid

THE Dominion Bureau of Statistics at Ottawa has announced a production of 66° Be sulphuric acid in Canada in 1927 of 98,480 tons, compared with 108,230 tons in 1926. Only six plants in Canada made sulphuric acid in 1927 against eight producers in 1926. These concerns used 19,377 tons of pyrites and 29,805 tons of brimstone, while one made sulphuric acid from waster made one made sulphuric acid from waster made on the producing plants were a Dominion and the producing plants were a Dominion of the producing plants were a Dominion and the producing plants were a Dominion and page 100 per page 100 p smelter gases. The producing plants were:—Dominion Iron and Steel Co. (Ltd.), Sydney, N.S.; Grasselli Chemical Co. (Ltd.), Hamilton, Ont.; Mond Nickel Co. (Ltd.), Coniston, Ont.; Nichols Chemical Co. (Ltd.), Sulphide, Ont.; Triangle Chemical Co (Ltd.), New Westminster, B.C.

Production, Imports, Exports and Apparent Consumption of Sulphuric Acid in Canada, 1923-1927

			.,	
Year	Pro- duction. Short tons	Imports. Short tons	Exports. Short tons	Apparent consumption. Short tons
1923 1924 1925 1926 1927	87,150 71,991 83,396 108,230 98,470	291 47 52 53 54	12,203 7,678 19,179 28,137 17,407	75,238 64,360 64,268 80,147 81,116

Practically all acid exported was dostined to the United States.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42, Cannon Street, E.C.4, October 25

RATHER more general demand is reported from the Mincing Lane produce markets this week, with prices as a rule firm. Menthol and Japanese peppermint are dormant at the moment, with first-hand prices in Japan much higher than spot. Cardamoms are again higher, particularly Alleppy and decorticated seed. Kola is easier on more plentiful supply and Italian orris is again higher. Russian ergot is easier, while higher prices are asked for grey Jamaica sarsaparilla. Rather more business has been done in aromatic seeds, and the position generally continues to improve. Canary remains firm and English mustard is better. Glycerin is £10 cheaper from British makers. Essential oils are still without interest, and alterations in price are of a minor character. Lemon is slightly dearer, while star anise on the spot, American peppermint, palmarosa and gingergrass are also firmer. Orange and vetivert are easier, and wormseed, for shipment, is lower. In the pharmaceutical chemicals group there is little to comment upon, except that price cutting in many products has become accentuated. This particularly applies to hexamine, phenacetin, phenazone, resorcin, methyl salicylate, sodium salicylate and caffeine. In the industrial chemicals group business is distinctly disappointing as a whole; a few items such as acetone, barium chloride and sodium acetate are active, with limited supplies; formaldehyde is in good inquiry and subject to keen competition. Among the coal-tar products, carbolic acid crystals from the makers is in brisk demand at full prices, and cresylic acid is firmer. Among the so-called vegetable oils business is fair. Turpentine is dearer, while linseed is slightly easier, as are coconut and palm oils. Castor, ground nut and cotton are slow of sale.

Higher	Firmer	Easier	Lower
Angelica oil Cadmium metal Cardamoms Lemon oil Musk xylol Orris (Flor.) Pimento Sarsaparilla (grey Jam.)	Anise oil (spot) Canary sced Cresylic acid Ginger (W. Afr.) Gingergrass oil Mustard seed (Eng.) Palmarosa oil Peppermint oil (U.S.) Pimento Sodium acetate Turpentine	Acid oils Arsenic Caffeine pure Coconut oil Ergot (Russ., c.i.f.) Kola (W.I.) Linseed oil Menthol Orange oil Palm oil Vetivert oil Wood oil (Hankow)	Glycerin Male fern oil Pitch Shellac Wormseed oil (c.i.f.)

Crude Drugs, etc.

ALKANET ROOT is in more demand at 45s. per cwt. on the spot.

Antimony.—There has been a fair demand for Chinese regulus, which is steadily held on the spot at £40 to £41, and for shipment about £38 15s. c.i.f. Crude on the spot is 34s., and for shipment 31s. c.i.f. is quoted.

Belladonna root is quoted at 55s. per cwt. c.i.f. for 0.45

Benzoin.—Sumatra is firm at from £7 15s. to £8 10s. per cwt. for good almondy firsts; seconds, £7 5s. to £7 15s., and thirds £6 15s. to £7 per owt.

CADMIUM.—The demand has become more intense and recent purchases having been of more importance, higher prices have resulted both for parcels to arrive or near at hand metal. Current quotations are from about 4s. up to 4s. 6d. per lb., according to delivery.

CAMPHOR (REFINED).—Japanese slabs are quiet at 2s, 3d. per lb. on the spot, and for shipment 2s. 13d. c.i.f. is quoted. per 1b. on the spot, and for supment 2s. 12d. c.1.1, is quoted. CARDAMOMS are again dearer. Bold bleached Ceylon-Mysore 7s. 6d. to 7s. 9d.; medium, 5s. 3d. to 5s. 6d.; small medium, 4s. 3d.; smalls, 3s. 9d.; green Alleppy, 4s. 9d.; for shipment, up to 4s. 1d. c.i.f. has been paid. Bombay decorticated seed is 5s. 9d. to 6s. per lb. The crop is said to be 65 per cent. only of the previous year. CASCARA SAGRADA is quoted at 53s. per cwt. o.i.f. Pacific

Cascara sagrada is quoted at 53s. per cwt. o.i.f. Pacific Coast for this year's peel.

Cloves.—Zanzibar are firm, with spot sellers at 1s. 2d. per 1b. For shipment, August-October has been sold at 1s. 2d. to 1s 2\frac{1}{3}d. and December-February at 1s. 1\frac{1}{4}d. c.i.f. The landings of Zanzibar in London during the week ending October 20 were 50, and the deliveries 217, leaving a stock of 3,930, against 10,540 in 1927 and 9,292 in 1926. From January 1 to October 20, 1928, the landings of Zanzibar have been 13,369, against 16,033 in 1927, and the deliveries 17,120, against 15,094 in 1927.

COD-LIVER OIL.—More demand has been reported during the last few days, and consumers seem more prepared to buy. Prices, however, remain in buyer's favour at from 150s. to 156s. per barrel c.i.f. for finest new non-freezing steam-refined Lofoten oil.

CORN PRODUCTS, ETC.—Guaranteed water-white glucose (corn syrup) is 22s. per cwt. for October-December delivery, ex store London. Dutch maize starch powder (cornflour) is 15s. 3d. per cwt. on the spot. American is 15s. 9d. per cwt., ex store London, for October-December delivery. Pearl starch is 15s. 3d. for October-December, ex store, London. Dutch maize starch crystals is 21s. on the spot, and American is 20s., ex store London, for October-December delivery. Dutch dextrin is quoted at 22s. to 26s. per cwt. on the spot as to quality. American canary is 19s. 7\frac{1}{2}d. per cwt. for October delivery, November 19s. 1\frac{1}{2}d., and December 18s. 7\frac{1}{2}d. White is 19s. 7\frac{1}{2}d. for October delivery, November 19s. 1\frac{1}{2}d., and December 18s. 7\frac{1}{2}d., and December 18s. 7\frac{1}{2}d., and December 18s. 7\frac{1}{2}d., ex store London. Dutch farma is quoted at 16s. per cwt. on the spot, and to arrive 13s. 9d f.o b. is quoted.

Croton seed.—The "Herefordshire," from Colombo, has brough 50 bags.

Ecg products.—Dried Chinese yolk is quoted at 1s. 10d. per 1b. on the spot, and October-December shipment 1s. 10d.

Ecc Products.—Dried Chinese yolk is quoted at 1s, 10d. per lb, on the spot, and October-December shipment 1s, 10d. c.i.f. Sprayed is 2s, 2d. spot, and September-October shipment is 2s, c.i.f. Prime Chinese hen albumen is 2s, 3d. spot, and October-December shipment has been sold at 2s. c.i.f. London and buyers.

ERGOT is easier so far as regards Russian, which is offered at 1s. 4d. per lb. c.i.f., and for bold Polish up to 1s, 7d. c.i.f. is quoted, with thin obtainable at less. Spanish is 3s. c.i.f. and 3s. spot.

GINGER is firmer for West African, sales being reported at

53s. to 54s. per cwt. on the spot.
GLYCERIN.—The English makers have reduced their prices GIVERIN.—The English makers have reduced their prices for chemically pure by £10 per ton, which took effect from Friday, October 19. The basis price is now £60 per ton naked, in returnable ten-cwt, drums, in not less than five-ton lots. The reduction in W. qts. and in Corbyns is 1d, per lb. The following are now the prices for chemically pure, B.P. double distilled, s.g. 1,260:—

-	Under 1 ewt.	One cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	and under	10 ewt. and under 20 cwt.	and under	5 tons and up- wards	
Contracts in mini- mum deliveries of	_	1 cwt.	lewt.	1 cwt.	2 ewt.	5 cwt.	10 cwt	
Tins, 14 lb. each (per cwt.) Tins, 28 lb. ,,	80/6	78/6	77/6	76/6	75/6	74/-	72/6	
(per cwt.)	78/-	76/-	75/-	74/-	73/-	71/6	70/→	
Tins, 56 lb. ,, (per cwt.) Drums, 1 cwt.	75/6	73/6	72/6	71/6	70/6	69/-	67/6	
(per cwt.)	-	69/-	66/-	67/-	66/-	64/6	63/-	
(per cwt.)	_	_	66 /-	68/-	64/-	62/6	61/-	
Drums, 5 cwt. (per cwt.)	l —			64/6	63/6	62/-	60/6	
Drums, 10 ewt. (per ewt.)	_	-	_	_	63/	61/6	60/-	

There have been two reductions this year, viz., January 27 by £17 10s., and March 9 by £10 per ton. From an "outside" source, chemically pure double distilled s.g. 1.260 B.P. quality is offered at £56 per ton net, ex wharf, U.K. ports, in five-ton lots. packed in ten cwt. new standard galvanised iron drums included, in minimum five-ton lots.

JUNIPER BERRIES.—Fair Italian on the spot are quoted at 28s. per cwt., and to arrive from 20s. to 26s. c.i.f. is asked, according to quality.

according to quality.

Kola is rather more plentiful owing to recent arrivals of West Indian, and prices are somewhat easier, good washed

West Indian, and prices are somewhat easier, good washed offering at 6½d, per lb,
Male fern oil is slightly easier, 24 to 25 per cent, filicin offering at 5½. 2d, per lb, in cwt. lots.
Menthol is quiet, with Kobayashi-Suzuki offering at 24s, per lb, on the spot. To arrive, sellers of October-December shipment quote 22s, 3d, c.i.f., and January-March 21s, 9d, c.i.f.

MERCURY has been somewhat steadier and there seems to be a little more confidence on the basis of current quotations for spot lots ranging from £22 10s. up to £25 per bottle, less the customary discount. This is fairly well in line with the first-hand price of £21 15s. f.o.b. per bottle. The demand is fairly active, while consumers are apparently not well covered, and there is undoubtedly a good stock to draw upon. Further inquiries have been reported from Japan, China and India, and fair quantities have been arranged for shipment to these countries. It is quite possible that stability may be maintained for a while unless the demand relapses and importers are more disposed to part with stocks. This, however, is hardly likely in view of the fact that imports over the balance of this year are expected to be much smaller. MERCURY has been somewhat steadier and there seems to much smaller.

OPIUM.—The following report has been received from

Turkey:—
Constantinorle, October 14.—Arrivals during the past fortnight have been 1,214 cases druggists', 331 cases "softs," and 76 cases Malatia, making a total of 1,621 cases, against 1,568 last year. The stocks held are 1,268 druggists', 311 "softs," and 127 Malatia, a total of 1,706 cases, compared with 1,636 cases at the same date last year. Sales during the past fortnight have amounted to 38 cases druggists' at from £T21½ to £T24 per oke, and 24 cases "softs" at from £T24 to £T26 per oke. The market has rather a feeble tendency. Heavy rains are reported from the Interior.

Orris.—Florentine sorts on the spot are dearer, up to 65s. per owt, being quoted, and to arrive quotations vary from 55s. to 62s, c.1.f.

Pepper is steady and in fair demand. Fair black Singapore

55s. to 62s. c.i.f.

PEPPER is steady and in fair demand. Fair black Singapore on the spot is 1s. 5½d. For shipment, October-November is quoted at 1s. 4d. c.i.f. delivered weight. Lampong on the spot is 1s. 5d. For shipment, August-October has been sold at 1s. 4d. to 1s. ½d. to 1s. 4½d., October-December 1s. 5½d. to 1s. 4½d. c.i.f. delivered weight. Fair Tellicherry spot is 1s. 6¾d., and January-March shipment 139s. c.i.f. Alleppy, spot 1s. 6d., and January-March shipment 135s. c.i.f. White Muntok, on the spot 2s. 1¾d. For shipment August-October sold at 1s. 10¾d. to 1s. 11¼d. to 1s. 11d., October-December 1s. 10¼d. to 1s. 10¼d. c.i.f., and November-December 1s. 10½d. to 1s. 10¾d. c.i.f., and November-Puller of the shipment 1s. per 1b., and for November-Puller of the shipment 1s. per 1b., and for November-

December 1s. 10½d. to 1s. 10½d. c.i.f.

PIMENTO is firmer at 1s. per lb., and for November-December shipment 97s. 6d. per owt. c.i.f. is quoted.

RUBBER.—Since our last prices have slightly eased, on account of the lack of business. During the past few days America has held off the market, with the result that sellers are more inclined to meet buyers in their reduced ideas. A noticeable feature is the widening of the premium on forward positions, and for October delivery next year practically 1d. a lb. premium is now wanted. The statistical position continues strong, and last week arrivals totalled 1,307 tons, whilst deliveries were 2,200 tons, thus showing a further decrease in the stocks of 893 tons. The London stock now stands at 26,477 tons, against 70,060 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.):—No. 1 standard ribbed smoke sheet, spot and November, 8¾d.; December, 8¾d.; January-March, 9½d.; April-June, 9½d. per lb.

SARSAPARILLA.—Grey Jamaica is dearer at 2s. 3d. per lb. on the spot. Native Jamaica is quoted at from 1s. 6d. to 1s. 9d, per lb. Honduras 2s. 3d. to 2s. 6d. No Lima is available.

available.

available.

SEEDS.—The position continues to improve and prices of some articles remain firm. Anise.—Spanish is 60s. and Russian 28s. Canary remains firm, with prices advancing. Mazagan is 19s. 6d. spot, and 18s. 6d. c.i.f. has been paid for November and 18s. 9d. to 19s. c.i.f. for December. Saffi is quoted at 18s. 6d. c.i.f. Caraway is firm at 37s. 6d. per cwt. c.i.f. for Dutch, owing to the good export demand during September. Cumin.—Maltese remains at 54s. spot and 47s. c.i.f. is quoted forward. Morocco is 42s. 6d. spot, and 41s. 6d. c.i.f. is quoted for forward shipment. Coriander.—Morocco is 20s. 6d. spot, and business has been done at 18s. and 41s. 6d. c.i.f. is quoted for forward shipment. CORIANDER.—Morocco is 20s. 6d. spot, and business has been done at 18s. c.i.f. for December shipment. Russian is 21s. spot. FENUGREEK.—Morocco is 16s. 6d. to 16s. 9d. spot, and 16s. c.i.f. is quoted forward. HENP.—Manchurian is 18s. 6d. on the spot. LINSEED.—Mazagan is 20s. spot, and 19s. 6d. c.i.f. forward, and extra good quality Morocco is 21s. spot. Mustard.—English is lirmer at 29s, to 31s. spot. FENNEL.—Indian is 72s. on the spot and 70s. c.i.f. for forward shipment.

SENEGA is quoted at 5s. per lb. spot. and also at 5s. c.i.f.

SENEGA is quoted at 5s. per lb. spot, and also at 5s. c.i.f.; no interest is shown at the moment.

no interest is shown at the moment,

SHELLAC.—The spot price of usual standard TN orange
quality has eased further to 210s, per owt.; fine orange
is 230s. to 320s., pure button 247s. 6d., and AC cakey 235s.
To arrive, TN for October-November shipment has been sold
at 192s. 6d. ci.f. and sellers. The sales for delivery include:
TN for October at 207s. 6d. to 200s. to 205s.; December at
210s. to 201s.; March at 200s. to 193s.

STRANGULLY LEVES are decreat poweres Hungarian of at

STRAMONIUM LEAVES are dearer, new crop Hungarian offer-

ing at 56s. per cwt. c.i.f.

TURMERIC.-More demand is reported from the consuming trade. Madras finger is now worth 37s. 6d. per cwt. on the spot for fair; to arrive, quotations vary, but cannot be had under the spot values.

WAX (VEGETABLE). - Japanese for shipment is dearer at 82s.

per cwt. c. f.; spot value is 82s.

Essential Oils

The better tone has broken down again and business is very quiet. Lemon is higher, while star aniso, American peppermint, palmarosa and gingergrass are all slightly firmer. On the other hand, orange and vetivert are on the easy side and wormseed lower for shipment.

Anise (STAR).—"Red Ship" is firmer on the spot, sales of leads being reported at 2s. 6d. per lb. in small quantities. Tins were sold on spot at 2s. 4d. and drums at 2s. 3d. per lb. The stock of leads on the spot is temporarily short. For shipment, quotations vary considerably, and some exporters are quoting fairly high figures; it is, however, felt that bids of 2s. 3d. c.i.f. in cases and 2s. 0½d. in drums would probably be accepted.

Berganot is unchanged at 21s. 6d. to 22s. per lb. on the

WOULD probably be accepted.

BERGANOT is unchanged at 21s. 6d, to 22s, per lb. on the spot as to seller. New crop is quoted at 21s, c.i.f. and prompt shipment from 21s. 6d, to 21s. 9d. per lb. c.i.f.

CAJUPUT is firm at 3s, 1d, to 3s, 2d, per lb. on the spot as

to quantity

Cassa is in poor demand and very little trade has been done. The prices are unchanged at 5s, 9d, per lb, on the spot for 80-85 per cent., free from alcohol, and 5s, to 5s. 2d. per lb, c.i f. for shipment.

CITRONELIA is unchanged and very dull. Ceylon is worth 1s. 8d. per lb. on the spot and 1s. 6d. c.i.f. Java is quoted at 1s. 10d. per lb. on the spot, with the shipment figure at

the same value.

the same value.

CLOVE is firmly held at 7s. 6d. per lb. for English distilled in first hands, but the supply of second hands at lower quotations is not yet exhausted.

EUCALYPTU3.—On the spot the 70-75 per cent, is worth about 1s. 10½a per lb, and 80-85 is queted at 2s. ½d.

GERANIUM.—Bourbon on the spot is firm at 20s. 6d, per lb, and 20s. c.i.f. London is asked at the source. Algerian is quoted at 18s. per lb, c.i.f. and holders on the spot are unwilling to sell at 17s. per lb.

GINGERGRASS on the spot is firmer at 9s. 6d, per lb., with

GINGERGRASS on the spot is firmer at 9s. 6d. per lb., with the shipment value at 8s. 6d. c.i.f. LAVENDER is firm on spot at 15s. 6d per lb. for 38.40 per cent.

LEMON is dearer again, new crop Sicilian now being quoted at 12s. to 12s. 3d. per lb. c.i.f. For immediate shipment 13s. c.i.f. is asked, and the spot value is 12s. 9d. to 13s. 4d. per lb. as to seller.

LEMONGRASS is on the easy side at 3s. 1d. per lb. on the

spot, with shipment quotations now below 3s. c.i.f.

LIME is firm at 29s. per lb. on the spot for West Indian distilled.

Orange.—Sicilian sweet on the spot can be bought at 16s. 9d. to 17s. per lb. and 16s. per lb. c.i.f. is quoted for prompt shipment. West Indian sweet, new crop, has been offered at 14s. 9d. per lb. c.i.f.

Palmarosa is firmer at 13s. per lb. on the spot and 12s.

per lb, c.i.f.

per lb. c.i.f.
PATCHOULI is unchanged and dull at 21s. per lb. spot for Singapore quality. Seychelles is quoted at 19s. on the spot.
PEPPERMINT.—Japanese dementholised is dearer from first hands at 9s. per lb. c.i.f. for Kobayashi/Suzuki. Business afloat has, however, been done at 8s. c.i.f., while other positions are:—7s. 9d. c.i.f. for October-December (second hands) and 7s. 6d. c.i.f. for January-March (paid). The spot value has eased to 8s. per lb. American natural tin oil is slightly firmer at 13s 6d. to 13s. 9d. per lb. c.i.f. as to brand, and from 14s. to 14s. 3d. on the spot. H.G.H. is quoted at 19s. per lb. on the spot. Hungaro-Mitcham is given as 24s. per lb. for double distilled. Italo-Mitcham has been selling freely at about 15s. per lb.
PETITGRAIN.—Paraguay is quoted at 7s. 6d. per lb. on the

PETITGRAIN.—Paraguay is quoted at 7s. 6d. per ib. on the

ROSEMARY.—Spanish is worth about 2s. per lb. on the spot in fair quantity. ROSEWOOD (BOIS DE ROSE).—Cayenne is quoted at 8s. per

B. on the spot, with Brazilian at 7s.

Spearmint on the spot is firm at 19s. 6d. per lb. and is worth 18s. 6d c.i.f. for shipment.

Spike.—Spanish on the spot is firm at 3s. 2d. per lb. in

moderate quantity.

VETIVERT.—Bourbon is easier at 20s. per lb. on the spot in

WORMSEED (CHENOPODIUM) is easier for shipment at 10s, per lb. c.i.f. The spot value is maintained at 12s, per lb.

The following arrivals have taken place from the countries indicated during the period October 17 to October 23 (inclusive): Anise (Ger.), 2 cs.; bay (B.W.I.), 1 cs.; bergamot (It.), 32 cs.; bergamot and lemon (It.), 15 cs.; camphor (Jp.), 55 dm.: cassia (Ch.), 5 cs. 12 dm.; cedarleaf (U.S.), 2 cs.; citronella (Jv.) 4 dm.; eucalyptus (Sp.) 10 cs. 13 dm., (Aust.) 29 cs. 9 dm.; juniper (C.-Slov.), 1 cs.; lavender (Jp.), 1 dm.; lemongrass (Ind.), 2 dm.; lime (B.W.I.), 11 cs. 1 tin 2 dm.; lime and lemon (Cape), 3 cs.; orange (B.W.I.) 1 cs., (It.) 7 cs.; patchouli (U.S.) 15 cs., (Fr.) 3 cs.; peppermint (U.S.) 7 cs. 3 dm., (Jp.) 50 cs., (Russ.) 40 cs.; petitgrain (Arg.) 10 cs.; pimento (Jam.) 1 dm.; sandalwood (Ger.), 2 cs.; vetivert and bourbon (Fr.), 1 dm.; ylang-ylang (U.S.), 1 cs.; undescribed (Fr.), 16 cs. 8 pkgs.

Pharmaceutical Chemicals, etc.

THE two features commented upon in reports to hand this week are price cutting in many products and the generally quiet conditions of business.

ACETANILIDE is about steady at unchanged prices: B.P. crystals and powder, 1s. 43d. to 1s. 6d. per lb.

AMIDOPYRIN is slow of sale: spot is quoted from 7s. 9d. to

8s. per lb.

ASPERIN.—Normal business is passing at the British makers' prices of 2s. 3d. to 2s. 6d. per lb., according to quantity. There is little evidence of foreign competition, though isolated parcels are available from time to time at nothing appreciably, if at all, below 2s. 3d. per lb.

BENZONAPHTHOL is offered on spot in five-kilo. parcels at about 2. 10d years.

about 2s. 10d. per lb.; market quiet.

BISMUTH SALTS continue steady: carbonate, 9s. 9d.; sub-

nitrate, 8s. 3d. per lb., in cwt. lots.

BROMDES continue about unchanged on the week, with business on a limited scale: dealers quote ammonium, 1s. 11d.; potassium. B.P. crystals, 1s. 7½d.; granular, 1s. 7d., sodium. B.P., 1s. 10d. per lb, for quantities, in cases. British makers' list prices are: ammonium, 2s. to 2s. 3d.; potassium. B.P., 1s. 8½d. to 1s. 11½d.; sodium, B.P., 1s. 11d. to 2s. 2d. per lb.. as to quantity.

CAFFEINE.—The pure alkaloid crystal is quoted at 6s. 2d. to 6s. 3d per lb, and caffeine citrate at 5s. per lb.

6s. 3d. per lb., and caffeine citrate at 5s. per lb.

CALCIUM LACTATE is very steady and in good call: quoted from 1s. 24d, to 1s. 3d, per lb.; small parcels, 1s. 34d, per lb. Chloral hydrate is unchanged on a steady market at 1½d. to 3s. 3d. per lb. for duty-paid crystals.

CITRIC ACID is practically unchanged, with limited quanti-ties of B.P. crystals offering at from 2s. 8d. to 2s. 9d. per lb. The new prices of the Italian makers are expected early in December, and it is quite possible that when the present scarcity of supplies ceases the new rates will be on a more reasonable level, as it is not believed that the price of raw material will be materially advanced.

CREOSOTE (B.P.) is offered on spot from 1s. 8d. to 1s. 81d.

per lb.; market dull.

CREOSOTE CARBONATE is steady but in slow demand: quoted

from 5s. 10d. to 6s. per lb.

GUAIACOL CARBONATE is dull of sale at from 4s. 6d. to 4s. 9d per lb.

HEXAMINE.—Exceedingly keen prices are being quoted in some quarters for large quantities: the market quotation remains at about 1s. 10½d. to 2s. per lb., as to quantity.

HYDROQUINONE is steady but quiet: quoted from 3s. 71d.

to 4s. 6d. per lb., as to quantity.

Lautic acid (B.P.) is well maintained as quoted from 1s. 6½d. to 1s. 10½d. per lb., as to quantity.

Lithium Carbonate is quoted at 4s. 7½d. per lb.

METHYL SALICYLATE (B.P.) is steady at about 1s. 4d. to 1s 6d. per lb., while very large quantities would be at a about 1s. 4d. to lower rate.

MUTHYL SULPHONAL remains flat, with the market easy as

quoted from 8s, 9d. per lb.
Milk Sugar.—B.P. is quo
cwt. for foreign make. is quoted at from 54s. 6d. to 55s. per

PARALDEHYDE is unchanged at from 1s. 7d. to 1s. 8d. per lb., for quantities, in kegs; small parcels, about 1s. 8½d. PARALDEHYDE remains quiet at from 1s. 1d. to 1s. 3d. per lb., according to quantity and packing.

PHENACETIN for ordinary-size business is steady at about 2s. 4d. to 2s. 6d. per lb., while there are offers on the market at very cheap prices for big quantities.

PHENACETIN for ordinary serve competitive, although prices for

PHENAZONE continues very competitive, although prices for usual lots are steadily maintained at 3s. 9d. to 3s. 11d. per

lb.; lower prices for cwt. lots.

PHENOLPHIHALEIN is unchanged at Convention prices of 5s. 11d, to 6s. 1½d, per lb., with a non-Convention source offering at cut rates.

PILOCARPINE.—Hydrochloride is quoted at 9s. and nitrate

Potassium permangamate (B.P.) is in quiet demand: quantities, in drums, from 5½d. per lb.; small parcels. from 6d. Resorcin is offering at very keen prices: ordinary-size business at about 2s. 10d. to 3s. per lb.

SALICYLIC ACID (B.P.) continues steady at from 1s. 3d. to

SALULIC ACID (B.F.) continues steady at from 18. 5d. to 1s. 5d. per lb., as to quantity.

SALOL remains at controlled prices: two-cwt. lots, 2s. 5d.; one cwt.. 2s. 4½d.; 56 lb., 2s. 5d.; small parcels, 2s. 5d. SODIUM BENZOATE (B.P.) is steady but quiet: quantities, in two-cwt. barrels, 1s. 7½d.; cwt. parcels, 1s. 8d.; small parcels, 1s. 8½d. per lb.

SODIUM DIETHYLBARBITURATE is quiet at about 7s. 10d.

per lb.

SODIUM SALICYLATE (B.P.) is meeting with fair business, but most sales have been put through at very cut prices: quantities of crystals, about 1s. 7d. and less; powder, about 1s. 6d. per lb., in cases.

SULPHONAL is quiet, with dealers offering spot at about

6s. 6d. per lb. TANNIC ACID.—B.P. leviss is steady, with quantities, in kegs, at about 2s. 10d.; small parcels. 3s. to 3s. 2d. per lb.;

TARTARIC ACID remains dull, but quoted prices are steady at from 1s. 4d. to 1s. 4dd. per lb., less 5 per cent, for foreign crystals or powder. Raw materials are rising in price, makers of tartaric acid having made large purchases much more forward than usual.

TERPIN HYDRATE to arrive is quoted at 1s. 5d. per lb. for

large quantities.

THYMOL is dull: synthetic fine white is about steady at

THYMOL is dull: synthetic line white is about steady as 9s. 6d. per lb., in cwt. lots.

VANILLIN is quite steady. British makers still obtain 16s. to 17s. per lb. for clove oil vanillin, which position is fully warranted by the high price of cloves. A certain quantity of foreign material, usually unbranded and of guaiacol manufacture, is available on this market at about 15s. per lb.

Industrial Chemicals, etc.

London, October 24.

WHILE some items, such as acetone, barium chloride and sodium acetate are active and firm, with supplies limited, most other products in this section remain distinctly quiet,

the volume of business moving being most disappointing.

ACCTIC ACID has been in about normal call, with prices very steady: 80 per cent, technical, £36 15s.; 80 per cent, pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

per ton, ex store.

ACETONE is firmly held at full prices: B.G.S., ten-ton lots, 274 10s.: five-ton lots. £75 10s.; one ton, £76 10s.; less than one ton, £77 10s. per ton, in free drums, ex store.

AMMONIUM CHLORIDE continues quiet, but prices are maintained, with grey galvanising at £21 to £21 5s. per ton, in casks, ex store: slightly less for contracts.

AREENIC is slow and, if anything, easier, with Cornish agents willing seliers at about £16 10s. f.o.r. mines for 99 per cent. Mexican high-grade is £17 per ton c.i.f. Liverpool,

BARIUM CHLORIDE has been in good demand, and available spot supplies are firmly held from £10 10s. and upwards; forward, £3 12s. 6d. f.o.b. Continent, for 98 to 100 per cent. prime white crystals.

prime white crystals.

BLEACHING POWDER (35 to 37 per cent. available chlorine) is steady on a competitive market from £6-12s. 6d. to £7

per ton, carriage paid.

COPPER SULPHATE.—There has been a fair inquiry for export and the tone is steady, with prices ranging from £25 5s. to £25 15s. per ton for casks, f.o.b., less 5 per cent.

CREAM OF TARTAR has been of little interest: supplies are

225 15s, per ton for casks, f.o.b., less 5 per cent.

CREAM OF TARTAR has been of little interest: supplies are freely offering at about 93s. to 94s. per cwt., less 2½ per cent., for quantities of foreign powder.

FORMALDEHYDE is moving off in good quantities, but there is a certain amount of keen competition noticeable: 40 per cent, by volume, £37 per ton, in casks, ex store.

FORMIC ACID continues in slightly better inquiry, with prices for 85 per cent,, in carboys, about steady at £46 to £46 12s. 6d. per ton, ex wharf, as to quantity.

ISOPROPYL ALCOHOL continues to be quoted at varying prices of 10s. 9d. to 12s. per gallon, in drums; imported material is at the lower rates.

OXALIC ACID is fairly bright, with prices steady at £29 15s. to £30 per ton ex wharf; small lots, 33s. per cwt.

POTASH CAUSTIC.—There is still a rather poor business moving; Convention prices are steady: spot, 88 to 92 per cent. solfd, less than one ton. £36 15s.; one to five tons, £33 5s.; five to fifteen tons, £32 15s. per ten, in drums, ex store; 30s. per ton less in all cases c.i.f.

POTASSIUM CARBONATE is moving in better volume: 90 to 92 per cent. £25; 96 to 98 per cent., £26 per ton, in casks, ex store; slightly less for contracts.

POTASSIUM CARBONATE remains very slow of sale: quantities of imported are offered from 2½d, per lb.; small parcels, 3½d. ex store.

POTASSIUM PERMANGANATE remains dull, with quantities of

3d. ex store.
POTASSIUM PERMANGANATE remains dull, with quantities of commercial quality, in two-cwt. drums, quoted from 5dd. to 54d. per lb. ex store.

SODIUM ACETATE is dearer on a firm and very short market: spot is now worth fully £21 to £21 %s. 6d. per ton, in casks, ex store; Continental makers are reported to be sold out up

to the end of the year.

SOPIUM HYPOSULPHITE is unchanged on a generally quiet market: dealers quote pea crystals, in one-cwt. kegs, at £14 los. per ton; commercial, £9 los. per ton, in oasks, ex store. British makers' price for pea crystals to home consumers on contraot, £15 per ton, carriage paid to buyer's

SODIUM CHLORATE is steady but quiet: quantities from 24d.; spot, small parcels, 3d. to 34d. per lb. ex store.

SODIUM PRUSSIATE is moving in better quantity, with the market steady: quantities, from 4½d. to 4½d.; small parcels, from 5d, per lb., in casks, ex store.

SULPHUR is very steady, with a fair demand, and American crude is quoted at £5 12s. 6d. to £5 17s. 6d., while Sicilian flowers are £12 7s. 6d., refined ground £11, and roll £9 15s. per ton, all c.i.f. to arrive.

COAL-TAR PRODUCTS, ETC.—Pitch shows a further fall in quoted value with the market still unsettled. Other items are about unchanged. Aniline oil is steady at from about 8d. per lb., packages extra, carriage paid. Aniline salt continues to be offered in quantities from 8d. per lb., packages extra, carriage paid. Betanaphthol is unchanged and quiet at 10d. per lb., oarriage paid, for quantities. Creosote Oil remains slack, with quoted prices unchanged: ex works, 6¼d.; f.o.b., 7½d. per gallon, in bulk quantities. Naphthalene, so far as importers are concerned, remains flat: flakes and balls, about £16 10s., in cases, ex wharf; home makes, crystals, £12 10s. to £14 10s. per ton. Methyl atcohol is meeting with a steady demand: small lots on spot, £45 per ton, in drums; quantities to come forward at much cheaper prices. Pyredine remains slow and is nominal at about 4s. ton, in drums; quantities to come forward at much cheaper prices. Pyridine remains slow and is nominal at about 4s. to 5s. per gallon f.o.b. Toluol is steady and moving fairly well: commercial 90's, 1s. 7d. to 1s. 8d.; pure, 1s. 10d. to 1s 10½d. per gallon at works. Xylol is slow of sale: commercial, about 1s. 7d.; pure, about 1s. 9d. per gallon at works. Pitch.—A further fall in the market quotation is recorded at 39s. per ton f.o.b. East Coast; the market remains quiet and unsteady. Carbolic acid crystals is exceedingly brisk and the price of 6½d. to 7d. per lb. is fully maintained for 39° to 40° C. ice crystals. Substantial business has been booked for this year's delivery and contracts are now being entered into for 1929. Cresylle acid is stiffen. The figure for a good pale grade to-day is 2s. 5d. to 2s. 6d. per gallon, naked at works, with the refined quality obtaining 3d. to 4d. per gallon premium, pure cresol being 4s. per gallon naked.

Fixed Oils, etc.

AMERICAN turpentine has advanced, while linseed oil is slightly easier. Palm oils have been inactive and are easier; rape oil continues firm. Other markets are about unchanged, with business fair. ACID OILS are easier but close steady; coconut and/or palm kernel, 36s. 6d.; ground nut, 31s.; soya, 27s. 9d. spot. CASTOR is maintained on a slow market: pharmaceutical, 50s.; first pressings, 45s.; second pressings, 42s. 6d. per cwt. spot, in barrels, in not less than one-ton lots. COCONUT has been quiet and slightly easier: decdorised, spot, about 46s.; Ceylon, 38s. c.i.f.; Cochin, 52s. 6d. c.i.f. COTTON is unsettled and quiet: deodorised, 49s. 6d.; common edible, 38s. 6d.; soapmaking, 35s. 9d.; crude, 32s. 6d. spot. GROUND NUT has been slow: deodorised, spot, 47s.; crude Oriental, 41s. 6d. c.i.f. PALM KERNEL is fairly steady but quiet: deodorised, 44s. 6d.; crude, 40s. spot. PALM has been mostly inactive; prices have eased a little and close unsteady: Lagos, 39s.; softs, 38s. ½d.; mediums, 36s. 3d.; hards, 39s. 3d.; bleached, 41s. spot. RAPE continues firm: refined, 45s. 6d.; crude, 43s. 6d. spot. SOYA is steady but very quiet: deodorised, 38s. 6d.; crude, 34s. 6d. spot. LINSEED (raw, naked) has been mostly quiet and closes slightly easier for all positions: on spot, 29s. 9d.; October, 28s. 9d.; November-December, 28s. 9d.; January-April, 28s. 9d.; May-August, 28s. 10½d.; September-December, 29s. 6d. Boiled oil, spot, 33s. Hull, 29s. 7½d. spot; November-December, 29s. 6d. January-April, 29s. 1½d.; May-August, 29s. 1½d. Turpentine.—There has been a further steady improvement in the demand and a fair business has been reported with consumers. The London spot price closed on Wednesday evening at 43s. 6d. per cwt.; November-December, 43s. 9d.; January-April, 45s. American receipts were reported again smaller, which is helping the improving tendency. London deliveries for last week were 1,915 barrels, making a total since January 1 of 85,162 barrels, compared with 98,266 barrels for the same period last year. The stock AMERICAN turpentine has advanced, while linseed oil is slightly easier. Palm oils have been inactive and are easier; The stocks were returned at 33,865 barrels, which, together with the quantities landing, made the total-visible supply 37,936 barrels, against 55,332 barrels at the same date last year. RESIN.—The tendency was firm, due to reduced

American receipts, and, consequently, smaller stocks. C.i.f. quotations for shipment from America were as follows: B/D 18s. 10½d. to 19s. 1½d., E/K 19s. 7½d., M/N 20s. to 20s. 10½d., W.G. 22s. 10½d., and WW. 24s. 3d. Terms ex wharf are 9d. per cwt. more, except for W.W., which is tightly held at 25s. 9d. Wood.—Hankow, in barrels, on spot is quiet and easier at 73s. per cwt. Olive.—French (B.P.) 6s. 9d.; edible, 8s. 9d. per gallon ex wharf.

LUBRICATING, MINERAL, BURNING OILS, ETC.—A fairly satisfactory volume of business is being transacted in this market, which continues generally steady throughout. BENZOL.—Business is good, with the market firm: crude 65's. 11½d.; standard motor, 1s. 4½d.; pure, 1s. 9½d. per gallon, ex works, in tank wagons; ex London works, about twopence dearer. Other items are unchanged as given in last week's C. & D.,

Other items are unchanged as given in last week's C. & D., p. 502.

Angelica Root Oil

WE learn from a Leipzig correspondent that the position of We learn from a Leipzig correspondent that the position of oil of angelica from roots has a thoroughly changed outlook. Amongst the plants which suffered to a particular degree from the great drought in Central Europe is angelica, and the peasants now demand very high prices. The stocks of oil from the last year's crop are very limited and prices should advance considerably. Some manufacturers are already demanding up to 67s. per lb. c.i.f., but it is still possible to buy below this quotation.

Dutch Caraway Seed Statistics

The following figures are extracted from the statistical publications of the Government's Department of Agriculture, while the estimation regarding the figures of 1928 are based on the experience of W. Krug & Co., Amsterdam, during the

Crop				
1924 8,984 hectares 32.3 bags per hectare 289,770 bags 1925 9,182 ,, 30.1 ,,				
Loss by cleaning and of weight, 6 per cent				
708,871 bags				
Imports				
Second half 1924 1,060 bags 1925 220 ,,				
1926 1,430 ,,				
1927 960 ,, First half 1928 1,320 ,,				
First half 1928 1,320 ,, 5,020 bags				
Total 713,891 bags				
Home Consumption				
For industrial purposes				
during 1925–28 40,000 bags For sowing 1925 1,370 ,,				
,, 1926 840 ,,				
, 1927 759 ,, 1928 536 ,,				
,, 1928 536 ,, 				
77				
Exports				
July 1-June 30 1924–25 193,741 bags ,, 1925–26 141,295 ,,				
1926–27 108,456 ,,				
,, 1927–28 <u>133,286</u> ,, 576,778 bags				
620,283 bags				
There was practically no stock on July 1, 1924, so that stocks of old crops on July 1, 1928, amounted to 93,608 bags				
Estimated Crop, 1928				
3,352 hectares at 25 bags per hectare 83,800 bags Loss by cleaning and of				
weight 5,008 bags Home consumption, 1928-29 10,800 ,,				
So that for export remain				
1				
Of which have already been exported:				

July, 1928, 10,040 bags; August, 1928, 15,740 bags; September, 1928, 23,030 bags

Leaving a total for export on October 1, 1928

49,810 bags .. 111,790 bags



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Insurance Dispensing Remuneration

Sir,—It is unfortunate that medical men should have advanced the idea that chemists are directly and financially interested in dispensing only the cheapest medicines and the least possible of these, and that therefore the chemist becomes the real arbiter of the doctor's prescribing (C. d. D., September 29, p. 405). Fundamentally, of course, we are not in the least interested in this aspect of the affair, but what we are interested in it is aspect of the affair, but what we are interested in is the obtaining of payment in full for the work we have done and the goods we have supplied, and it is due to the dilemma into which we have been forced by the method of administrating the available funds that the real consideration has been twisted to include the rest. It is a subversion of all the ordinary usages of business for a man to deliberately restrict his turnover instead of seeking to extend it, and it is entirely due to the Government paying a fixed sum to the chemist irrespective of the amount of the calls on his services. If the doctors really think that the chemist is controlling their prescribing, they have an easy way out of the difficulty; being such an influential body, it should not be hard for them to induce the authorities to provide sufficient funds to pay the chemists' accounts in full, whatever they may be, leaving the doctors to guarantee that there will be no undue extravagance on their part and that they will themselves deal with any offenders in their own ranks. In the case of unforeseen epidemics an emergency grant should be made to cover the extra cost, in the same way as funds are provided to pay for any other national disaster which cannot be met out of ordinary expenditure.

Faithfully yours,
PAYINFULL (8/10).

SIR,—Allow me, through your columns, to thank "Pharmacist" for his reasoned reply (C. & D., October 20, p. 503). . . . My intention was to spur him and others on in their efforts for justice. If he has taken anything I said as unkindly meant I tender to him my apologies, and assure him, especially upon reading his letter, that in this matter we have but one mind. I also appreciate that in certain circumstances it is very difficult to avoid the use of a nom de plume. I do urge, however, that we cease trying to hint to authorities by comparison that we are ill-treated. We must close our ranks and take steps towards unity, which alone can give us our due. It is useless longer to reiterate the fact that we subsidise the nation's medical supplies and service from our pockets and our bones, whether it be in the case of N.H.I., as shown in the letters of "J. D. M." and others, or in the case of municipal welfare centres, which trade against us while we pay rates for their support. Candidly, N.H.I. and unemployment insurance are but subsidies of pauperism, but that is an ethical and economic, therefore a national, problem. Why should the middle arch of the structure of N.H.I. rest solely on the pharmacist? And now for the past two years he has been deprived of the traditional straw for the manufacture of the bricks. Comment has been made that Birmingham and district pharmacists did not attend in greater numbers on the occasion of the recent visit of the Minister of Health. I am sure that any omission was not through lack of respect. . . Our worthy president, in an excellent speech at the Jubilee Dinner, at one period struck a most winsome Churchillian note when he asked for extra money for the Benevolent Fund. I am sure that if he can obtain the money we regard as owing to us on N.H.I., his task for the Fund will be light. Always as a body we seem to be holding the candle to the Devil (who stands between us and Justice). Will no one hold the candle a little nearer and singe him? . . Our equest for a sixpenny dispensing

it was only bare equity, and taken as a figure only after considering the precarious finances of the Ministry. But the law has limited the extent of the drug fund: Shall we then say the law is a defaulter, and as such —! Where, may I ask, is the law which limits the sickness of the nation, or the prescribing propensities of the practitioner? Such law would be quite as logical as the one which limits the drug fund. The law, forsooth, for the past two generations, and now presumably for all time, has been aptly described by Bumble the beadle. Let every available and eligible man join up with his own Society and his Union; only thus can the problem be solved. Let every local association send out its canvassers and bring the laggards in.—Yours faithfully, S. C. BLORE.

Birmingham.

Business Dyspepsia

SIR,—Mr. R. R. Bennett, in his opening address to the School of the Pharmaceutical Society (C. & D., October 6, p. 428), said that "interest in the thing to be done is the driving force that puts intelligence into action" and also that "too much reading may cause mental dyspepsia." Now it is possibly only too true that many of us look on the qualifying examination as the end of the first part of our careers, namely, the educational side, but that is because we are going into business as a means of earning a living, and the ordinary chemist behind the counter has not much time to pursue intellectual pursuits merely for the sake of knowledge, at least not in the humdrum kind of business in which I and many others find ourselves, where the counter is the beginning and the end of to-day and a countless procession of to-morrows. But is there not also in this form of compulsory concentration a possibility of business dyspepsia akin to the mental dyspepsia caused by too much reading? It may not be so to a man whose whole mind is directed to acquiring as many pence as he can and has that desire so ingrained that he will go on to the day of his death, only to leave his collection behind him; but to myself, who would be content with a more modest competence provided I could get a little leisure time in which to enjoy the more intellectual side of life, this business dyspepsia becomes a kind of chronic complaint for which there is no remedy, for the average chemist's shop is such a small affair that once in it the owner is compelled to go on with it or go under. It is in this that the real drawback to the entering of pharmacy as a career lies.—Yours faithfully,

Poisoning Statistics

SIR,—With reference to your résumé of the "Poisoning Statistics for 1927" (C. & D., October 6, p. 435), when an unfortunate individual does away with himself by taking some poison, such as lysol, which he has purchased from a chemist, the coroner or jury rarely fails to pass some remarks on the facility with which these poisons can be obtained, leaving an implied if not an actual censure on the vendor. But I have never yet noticed a case in which they dilated on the dangerous practice of fitting houses with gas stoves, although putting one's head in one appears to be the favoured method of snicide to-day. Amongst the poisoning cases it will be noticed that the bulk of the deaths are due to a few poisons only. Lysol easily heads the list. Next comes hydrochloric acid, then carbolic acid, oxalic acid, and ammonia, and as at least three of these poisonous articles can be obtained from other sources than the chemist's shop, are there any figures available which show the number who purchased them from a chemist? Then follow potassium cyanide and hydrocyanic acid, and it would probably be found if the cases were examined that these poisons were mostly used for self-destruction by professional men or technical workers, who handled them in the course of their work, and therefore had facilities for obtaining a supply which the ordinary member of the public has not. It is a pity that there are no statistics available to show how many cases have been prevented by the chemist's care and warning. I am quite sure that I saved one customer recently by a little explanation and advice, followed by some plain speaking.

ADVISOR (16/10).

Mechanical Prescribing

SIR,—It may be that a mechanical prescribing machine, such as described in the C. & D. of October 20 (p. 487) is able to deliver prescriptions according to the symptoms marked on the levers depressed with a machine-like degree of accuracy, but it cannot introduce the human element. Some chemists have a well-deserved reputation for counter prescribing on account of their success in treating minor ailments; in such cases it amounts to a gift which no amount of training will produce in other men who have no flair for it. In the same way there are some doctors who, in spite of their curriculum and qualification, are never really successful in diagnosis, while others are able to name the complaint and to trace the cause of the trouble without difficulty at the first consultation. I have found during many years behind the counter that customers speak more freely to the chemist than they always do to the doctor; many of them seem to feel that they are like the schoolboy in front of the headmaster when facing a medical man, and are afraid to a certain extent of what he will order them to do, and so they frequently do not tell him the whole tale, whereas when dealing with a chemist they feel more on equal terms and able to take his advice or not as it appeals to them. Further, by far the greater number of doctors rely on a few formulas which they have learned in hospital or elsewhere, and a chemist who dispenses prescriptions regularly from the same prescribers can tell at a glance who has written any particular one because he recognises the mixture; there are very few doctors now who diagnose so well that they prescribe especially for each individual. This even applies to West End specialists, as in the last few months I have had four customers who have been to the same man and have received identical scripts; it is the same man and have received identical scripts; it is hardly possible that their conditions were exactly alike. And lastly, there is Insurance prescribing, a purely mechanical process with the scripts all printed in the local formulary. The doctor asks the patient what is the matter, and writes down "Mist. Tussis," "Mist. Bismuthi," or whatever fits the answer; what is the difference from the machine?—Faithfully yours,

PRESCRIBIST (22/10) PRESCRIBIST (22/10).

Variation in Closing Orders

SIR,-The report of the adoption of an Early Closing Order in Belfast, and the note that the enforcement of the Order is a matter for the local authorities, reminds one of the varying methods adopted in different localities in respect of these orders. In some districts to have one's In respect of these orders. In some districts to have one's door open and a light burning two minutes after the closing hour is to ensure a visit from an inspector, who will immediately walk in and either warn one of the time, often in no gentle tones, or attempt a trial purchase of some article not classed as a medicine; and if the chemist is busy and has not his eye on the clock, he will probably fall a victim and in due course receive a summons, yet in the next area, perhaps only a short disa summons, yet in the next area, perhaps only a short distance away, or even in some cases on the opposite side of the road, the Order seems to be a negligible matter; shop lights are burning at all hours, doors open, and customers served with anything they require. Surely it is somebody's business to see that we are all dealt with in the same way, and that the restrictions are applicable to all traders wherever and whatever they may be.—Yours, etc.,

CLOSERLY (22/10).

The Diagnosi Therapeuticon

Sir.,—The honour of perpetrating a "medical students' jest" at the expense of pharmacists only, and in their own stronghold, is now held by Dr. E. Burnet, and I hope the lady pharmacists are still as pleased about it as they appear to have been on October 10 (C. & D., October 20, p. 487). The theory behind the National Trash Register is not a new one: insured persons of penetrative intelligence have expounded the idea many a time to us to account for the doctor's treatment. By a strange coincidence a medical friend of mine, one Dr. Woolworth, is about to issue a similar machine for the use of his own profession (he calls it "trade," by the way, because he says they have got a trade union). way, because he says they have got a trade union).

The buttons on his machine are marked "leg," "eye," "finger," etc., and are designed to supply information, which appears to be very necessary, as to how much material to supply in dealing with disease or injury to the parts mentioned. There are two sets of buttons; one section is marked "Prescribe" and the other "Supply." Upon pressing the button marked "Eye" I found that the practitioner is directed to prescribe:—

2 gallons lotion
½ lb. boric lint
6 × 3 in. bandages
1 × hip bath

I did not venture to criticise the doctor's calculations, but while he was not looking I pressed the button marked "Leg" in the "Supply" section, and found the advice :

Supply $\frac{7}{4}$ yard gauze (unmedicated) 1×1 in, bandage Zambuk (free sample)

I hastily closed the machine! Evidently the penetrative intelligence of the panel patients beforementioned had exerted a powerful, though unseen, influence upon the mental processes of Dr. Woolworth. Still, I am writing to Dr. Woolworth to suggest his collaboration with Dr. E. Burnet. Their united efforts towards the perfection of medical practice for the benefit of humanity should be a processive of great value worthing upolding the produce results of great value, worthily upholding the prestige of the Woolworth School of Progressive Thought. I hope and pray that the intelligence of the age will develop quickly enough to cope with the results that will be achieved by this remarkable pair of investigators.

Yours faithfully, W. R. I. NICHOLSON.

London, N.W.1.

Twopence for Courtesy

SIR,—Congratulations to Mr. Keith Longstaff. Firms starting such stunts ought to be talked to in such manner. Not that they do not know what they are doing, but to let them know that those they take for asses can appraise them at their worth. The unfortunate thing about such "tellings off" is that they never reach the firm. It is quite time that chemists (in fact everyone, retailers and consumers, but more especially chemists, whose hands are evidently more forced than others) rebelled and refused to help the "coupon," "something for nothing," "two for the price of one" ramp that is foisted on them and the public. But what can we, a leaderless crowd, do? We have a Society and a Union. And neither will lead but both will instantly apply the brake to any misguided ass among us who, seeing how things are going and maybe feeling it, too, tries to make some effort to crystallise thought on our position and produce efficient action.—Yours, etc.,
GODELPUS (24/10).

Sixpenny Articles

SIR, - . . . An important matter to me, and I should think to my fellow-chemists, is the numerous articles which are being put on the market to sell at sixpence, most of which can be found in the sixpenny multiple stores. What is there in the way of making these lines stores. What is there in the way of making these lines $5\frac{1}{2}$ d. each and bringing customers into the chemist's shop instead of sending them elsewhere? The public would appreciate the lower price, and the chemist would get more customers with possibly other sales at the same time. Comment on what is becoming a serious proposition would be appreciated.—Yours truly,

Ilford.

Legal Queries

F. B. (24/810) has a stock room above his shop, and he proposes to partition off about one-third of it for the purposes to partition on about one-third of it for the purpose of storing lumber, for which he has no room in his house. If he does so is the rateable value of the premises likely to be increased? [The rateable value of the premises will not be raised unless the annual value is increased. We see no reason why the construction of the partition should increase the annual value.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. D. F. (25/9).—CURING AN OTTER PAD.—Slit the pad carefully up the back and pull the skin away from the bone all round, leaving it attached to the lowest possible point. Cut out all the flesh and sinews. Dress the skin with a preservative compound of burnt alum (1 lb.) and saltpetre (1/4 lb.), and the bone with a carbolic wash, made as follows :

Phenol 2 oz. ... 1 oz. ... 1 pint. Burnt alum (or tannin) ... Water .

Stuff a little chopped tow where needed and sew up neatly.

F. R. (8/10).—Non-sweating in horses.—Non-secretion of sweat among horses is practically unheard of in this country. It is understood that of eight parts of food taken into the healthy body, three parts leave it in the fæces and urine, three by the lungs and two by the skin. The best, easiest and simplest method of producing perspiration is to apply smart friction all over the surface of the body, then cover the animal with warm coverings (woollen preferred) and keep in a dry atmosphere at about 70° F. Give small and repeated doses of stimulants, such as spt. ath. nit., ath. sulph., dilute alcohol, ammon. acetate, etc. A dose of Dover's powder may also be given. Water and vapour baths at a temperature of 100° to 120° F. also augment the function of the skin. Among the medicines are powerful diaphoretics and must be carefully given and in moderate doses, as they have intense sialogogue properties, and should be immediately discontinued when salivation is observed. A course of arsenic and sulphur for several days will also be beneficial, but care must be taken to keep the animal out of all cold and draughty places. The doses of the above medicines must be given according to the climate, situation, size and age of the animal. As the breed and general condition of horses in India is much different from that in this country it would be advisable to consult a local veterinary surgeon experienced in the diseases pertaining to the country, who would be able to diagnose and prescribe; as well as prognose as to the future.

H. R. (9/10).—ESSENCE OF SMOKE.—This is used for imparting to bacon and fish a smoky taste. Formulas are as follows :-

Rectified spirit of tar 3ij. Barbadoes tar 3SS. Wood naphtha ... 3iv. Mix and add-Burnt sugar ... Port wine 3j. ... 3v. Crude pyroligneous Vinegar 3v. Table salt Water ... 3ij. ... Shake and filter through a ξvij. filter wetted with acid. Macerate for three days. Colour with caramel. Should

be sent out clear. The liquids are painted on the bacon or fish and allowed

D. F. (24/87).—LINIMENT USED IN GREYHOUND RACING. -This so-called liniment is a suspension of a very fine regetable powder, which could not be identified, in a liquid consisting of a green oil, spirit and clove oil. The non-volatile portion, dried at 100° C., which includes the oils, amounts to 18 per cent., and the ash, which consists largely of sedjum chlorida to 25 per cent. The consists largely of sodium chloride, to 2.5 per cent. The colour of the oil may be due to "green oil," as suggested by the correspondent, but the colour is not very full; it may result from extraction of chlorophyll from the powder by the spirit. The preparation "is rubbed under the heart and has a stimulating effect before starting for a race."

(10/108).—Ink-removing preparations.—See C. & D., 1928, I, 766.

T. P. W. (13/108).—WINDOW-STEAMING PREVENTIVE.— See C. & D., October 6, p. 445, and C. & D., 1928, I, 30.

P. E. C. (13/108) and H. P. C. (13/108).—DESTRUCTION OF TREE STUMPS.—Bore a number of holes in the tree stumps, tamp them with potassium nitrate, and then set fire to the nitre. This causes the wood to smoulder away.

G. S. (New Zealand) (6/98).—The following formulas contain the ingredients you mention :-

- Eczema Cream	Corn Salve
Ac. salicyl Dij.	Acid salicyl 3ij.
Resorcin 3ij.	Ammon, chlor 3ij.
Calaminæ 3ij.	Ac. acetic 3ss.
Zinci oxidi 3iv.	Adip. lanæ 3ij.
Ol. cadini 3ij.	Ceræ alb 3ij.
Pulv. amyli 3ss.	Adipis 5vij.
Paraf. mol. flav 3j.	
Adipis lanæ 3iss.	

A formula for bismuthated magnesia was given in the C. & D., September 29, p. 418.

B. W. (25/98).—Syr. Ficorum co.:-Ol. anisi mxv. Ol. carui mxv. ... Ext. cascara sag. liq. Зį. Ext. sennæ liq. ••• зij. ... Sodii bicarb. 388 Alcohol Zviij.

Syr. sennæ - ...

Syr. ficorum ...

... Syrupus Ficorum

...

ad

3xviij.

To make plain syrup of figs, chop up 2 oz. of figs and boil in a pint of water until nearly half of the water is evaporated. Strain off 10 oz. of the decoction, and in it dissolve 1 lb. of sugar.

W. E. (1/108).—CLEANSING CREAM.—Any cold cream can be used as cleansing cream. Your sample appears to consist mainly of soft paraffin.

A. F. (10/108).—Making cordials.—The following is a general formula for fruit cordials :-

> Cinnamon ... Clove, Nutmeg of each 3ij. gr. xxiv. Fruit syrup ... to 3xxxv.

Reduce the solids to No. 40 powder and percolate with alcohol (49 per cent.) until 3ix, of percolate is obtained. To this add the syrup. Mix with 5ij. of purified talc and filter. Other formulas were given in the C. & D., 1927,

G. A. M. (24/108).—CHILDREN'S COUGH MIXTURES.—The following are examples of the formulas for which you

ask .
Children's Cong.
P.F. 57 Children's Cough and Cold Mixture P.F. 3 Cough Syrupcarb. ... Ammon, brom. ... gr. ij. Am. 3ij. gr. xxiv. Vin. Ol. anisi m 4 ipecac. 3iss. ... Syr. tolut. ... Syr. rheados, Ext. mxx. senegæ liq. ... 3iij.
Syr. tolut. ... 3xij.
Aq. carui ad 3xxxvj.
3j.-3jj. pro dosis. Oxy. scillæ, Aq. camph., Liq. am. acet. aa. mx.

A number of formulas of this nature are published each year in the C. & D. Diary under the heading of "Pharmaceutical Formulas."

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," October 15, 1878

Sanitary Test Papers

Sanitary Test Papers

A Mr. J. B. Watson wrote a few days ago to "The Times." He said:—"As the fees of the analytical chemist are beyond the means of many, a few simple test papers might be prepared and used for many purposes. Certain cards should be prepared... which, by changing colour, would immediately betray the presence of sewage gas in the atmosphere. Other papers might be prepared for testing the purity of water or tea, or other articles of daily consumption. The paper for testing water would immediately, should lead be present, betray its existence; the papers for testing tea would betray the presence of copper, and so forth. The papers might be prepared in packets and labelled. These test papers would be very inexpensive, and could be used by the most inexperienced with confidence." We are propared to offer a very large prize for a test paper which will immediately reveal the presence of a grain of lead in a gallon of drinking water, or of one part of sulphuretted hydrogen or other sewage decomposition product in 10,000 hydrogen or other sewage decomposition product in 10,000



[Commenced C. & D., July 5, 1924]

Physical Constants.—The most important physicochemical constants are :-

Volume of a gram-molecule of gas at 0° and 760 mm. is 22,410 c.c.

Density of air at 0° and 760 mm. is 0.001293.

Mean molecular weight of air is 28.9. $R = \frac{P_0 V_0}{273} \mbox{ (in C.G.S. units)}.$

1 erg = 238.7×10^{-10} gm. cal. 1 gm. cal. = 0.4188×10^{8} ergs.

volt-ampere per second = 107 ergs = 1 watt-second = 0.2387 gm. cal.

1 ampere per second = coulomb deposits 1.118 mgm. Ag, 0.3294 mgm. Cu (from cupric salts), and liberates 0.1740 c.c. hydrogen at 0° and 760 mm.

96540 coulombs deposit a gram-equivalent.

Physostigmine.—The chief active principle of Calabar bean, *Physostigma venenosum*, is physostigmine, which forms crystals which are tasteless, lævorotatory, sparingly soluble in water, mp. 105°-106°. The alkaloid, which is identical with eserine, was first isolated by Jobst and Hesse from the cotyledons in the following manner. An alcoholic extract of the seeds was exhausted with water, neutralised with magnesia, concentrated and extracted with ether. The ether solution was shaken with weak sulphuric acid, which dissolved the alkaloid as sulphate. The sulphate was separated, treated with magnesia, with ether, and the ethereal solution evaporated to yield the alkaloid. The sulphate of the alkaloid is official in the B.P., but the salicylate is preferred in preparations for the eyes. Applied to the eye, the effect is constriction of the pupil. The alkaloid or its salts in aqueous solutions exposed to the air in the presence of an alkali turns red owing to absorption of oxygen. The colour changes to yellow, green or blue. Solutions dispensed in ordinary glass bottles change in colour. When dispensing the bottle should be rinsed out with hydrochloric acid to remove alkali from the glass, then with distilled water. This retards the change. If the interior of the bottle is coated with paraffin wax the change is obviated. Isophysostigmine (C₁₅H₂₁O₂N₃), is an alkaloid isomeric with physostigmine extracted from sulphuric acid, which dissolved the alkaloid as sulphate. is an alkaloid isomeric with physostigmine extracted from the ether soluble extract of Calabar bean. The dose is three-fourths that of physostigmine. It should be kept in amber-coloured bottles, and the addition of boric acid to its solution is recommended.

Phytin is the name given to the calcium-magnesium salt of a hexaphosphate, widely distributed in vegetable tissues. The hydroaromatic compounds which are nearest to the carbohydrates in physical properties and physiological behaviour are the cycloses or hexa-hydroxy-benzenes. A number of isomeric compounds are represented by the formula and differ from one another in the arrangement of hydrogen and hydroxyl groups about the carbon atoms of the nucleus. Phytin is a cyclose occurring in the form of ester-like compounds, generally as hexaphosphates. Phytin occurs particularly abundantly in seeds and grains, the husks of which also contain the ferment phytase, which is capable of splitting up the compound in aqueous solution into inositol and phosphoric acid. Several varieties of ties of inositol are found in nature, an inactive form, two active forms and a racemic form. Seven inactive forms are theoretically possible. The form which occurs in animal tissues is optically inactive. In mammals i-inositol is found in small amounts in muscular tissue from which it was first obtained and recognised as a from which it was first obtained and recognised as a distinct chemical substance. It is found in combination

with a complex fatty substance containing nitrogen in the with a complex fatty substance containing nurogen in the tissue of the anterior lobe of the pituitary body. This compound, named tethelin, is probably the active principle of the gland. On prolonged hydrolysis by alkalis and acids the substance yields i-inositol. Inositol is soluble in water and alcohol, and is obtained in the form of fine white acicular crystals by the addition of ether to an alcoholic solution. It has a sweet taste, and is precipitated from aqueous solutions by basic lead acetate: m.p. 225°. Besides being present in animal tissues in inthe free state, and in combination with phosphoric acid as esters, particularly in the husks of various cereals. The calcium-magnesium salt is phytin. By the reduction The calcium-magnesium salt is phytin. By the reduction of pinitol (monomethyl d-inositol), with hydroiodic acid d-inositol is obtained, l-inositol is obtained by reduction from quebrachitol (monomethyl l-inositol) present in quebrach bark, d-l-inositol or racemic inositol (a mixture of d-inositol) and the leaves of mixture of the leaves of the print the leaves of mixture of the leaves of the print the leaves of mixture of the leaves of the print the leaves o of d and l varieties) is found in the leaves of mistletoe, d-inositol is present in resin and the needles of conifers, in senna leaves and india-rubber. Phytin may be extracted from unripe beans or peas or husks of cereals, with dilute hydrochloric acid. The acid extract is neutralised or made alkaline with ammonia, or calcium the right is added and then made alkaline with ammonia chloride is added, and then made alkaline with ammonia. The calcium-magnesium salt of phytic acid is precipitated (phytin). This is dissolved in acid and reprecipitated, filtered off and dried. Phytin is hydrolysed by heating in a sealed tube with dilute sulphuric acid to about 150° for several hours. On removing the acid with barium hydroxide, filtering, evaporating to small volume, and adding alcohol, the inositol is precipitated. This is recrystallised from a mixture of water and alcohol.

Phytosterols.—Phytosterols are compounds very similar to cholesterol and have been prepared from plant tissue. They are probably mixtures of isomeric com-pounds, that from Calabar bean having been shown to be a mixture of sitosterol $(C_{27}H_{45}OH)$ and stigmasterol $(C_{30}H_{47}OH)$. They are usually contained in the fat present in seeds. The fat is saponified with alcoholic potash, the alcohol evaporated, and the residue dissolved in water. The aqueous solution is extracted with ether, and this extract, on evaporation, yields the phytosterol which is crystallised from alcohol. Phytosterol crystallises like cholesterol, but the crystals are usually six-sided. The m.p. varies from 135°-144°, but is usually 135°-137°. In solubility they resemble cholesterol and form acetates and benzoates. The acetates melt at 125°-137°, and can be distinguished from cholesterol by crystallisation form and m.p. of acetates. The best known of the phytosterols is sitosterol found in wheat, rye, linseed oil and Calabar bean. It has a m.p. of 137° (cholesterol 148.5°) and optical rotatory power. Its solubility in various organic solvents and the colour reactions which it yields are similar to those of cholesterol, and it is absorbed together with cholesterol from the intestine. Glucosides of cholesterol and the phytosterols have been synthesised by dissolving equal weights of sterol and bromacetglucose in ether and shaking the mixture up with dry silver oxide. A structural formula for cholesterol has been proposed by Windaus. The complex structure of the molecule offers many opportunities for isomerism, and a difference between cholesterol and sitosterol arises from a different position of the double saturation linkage, a different position of the hydroxyl group and structural or stereo-chemical isomerism. The double bonds can be eliminated by hydrogen, but the resultant compounds derived from sitosterol differ from those derived from cholesterol. Cholesterol is found in all animal fats and oils, but is not found in vegetable tissues, but isomeric photosterols are found in seeds, e.g., sitosterol. Administration of phytosterols to animals leads to increase of cholesterol in the blood. No phytosterol appears in the blood, and it has not been possible to convert phytosterols into cholesterol under laboratory conditions.

Pieric Acid.—Pieric acid or carbazotic acid, 2:4:6 tri-nitrophenol, C₆H₂.(NO₂)₃.OH., known as trinitrophenol and picronitric acid, may be prepared by acting

The C.&D. Commercial Compendium

on phenol with nitric acid. It is prepared commercially by adding coal tar creosote to nitric acid, heating and allowing to stand when picric acid crystallises out, or by dissolving crystals of phenol in sulphuric acid to form phenol-sulphonic acid, and adding either nitric acid or sodium nitrate. It forms pale yellow crystalline needles or scales, which should be kept in well-stoppered bottle in a cool place, away from fire. Sale and storage of picrates, picric acid and explosive mixtures containing them are subject to legal restrictions. For safety in transport it is mixed usually with 20 per cent., or an equal quantity of water. Picric acid explodes when heated or under percussion. It is soluble in water, alcohol, ether; m.p. 121-123°. Picric acid is used as a dye, an explosive, and reagent, and is also used in medicine for burns, and as a germicide and astringent in skin diseases. It is an irritant to the skin, and dermatitis and poisoning is common among workers engaged in its manufacture. Johnson's test for glucose in urine depends on the reduction of picric acid to picramic acid. Esbach's solution is composed of picric acid 1, citric acid 2, water 100, and is a test for albumin n urine. The majority of proteins yield precipitation reactions with picric acid solution. Creatinine may be detected by Jaffe's reaction, which consists in the red colour produced by creatinine in alkaline solutions when picric acid is added. The colour is due to picramic acid, and turns yellow on the addition of acids. This reaction is employed for the colorimetric estimation of creatinine in urine.

Pills.—The Latin "pilula," the diminutive of "pila," a ball, suggests by its name the shape and range of size The word has been traced back to the year 1484. The O.E.D. definition is: "A small ball or globular mass of medicinal substance, made up of a size convenient to be swallowed whole." The New Sydenham Society's Lexicon defines a pill in almost identical terms, with the addition "the weight rarely exceeds 5 gr., unless the ingredients are exceptionally heavy." A bolus is defined in works of reference as being similar in shape to, but larger than, an ordinary pill, and adapted for swallowing. The modern successor of the bolus is the variously shaped horse ball. Pills of oval shape are met with in commerce, but have never been so popular in this country as globular pills. The adequate dispensing of pills requires much judgment, and three chapters of "The Art of Dispensing" are devoted to the subject. The characteristics of well-made pills are:—(1) They are not too soft; (2) they do not stick together nor flatten; (3) they are smooth and round; (4) they are all of the same size; (5) they contain uniform proportions of their ingredients. Among practical hints given in "The Art of Dispensing" are the method of incorporating small quantities of potent substances; the desirability of adjusting the finished product to the weight prescribed; and the treatment of pills containing hygroscopic, strong-smelling or volatile ingredients. Beginners in pill-making vary considerably in manipulative ability. Pills sold otherwise than as dispensed medicines must be labelled so as to show the proportion of each scheduled poison present and the total number of pills in the container, or, if prepared according to the formula of the British Pharmacopeia or the British Pharmaceutical Codex; must bear an indication of the fact. Pills containing "dangerous" drugs are, in addition, subject to the restrictions of the Dangerous Drugs Acts and Regulations, with the exception of those pills that are specifically exempted cally exempted.

Pilocarpine.—The alkaloid pilocarpine was isolated in 1875 from the leaves of jaborandi Pilocarpus microphyllus, N.O. Rutaceæ, by A. W. Gerrard and Hardy, independently. Jaborandi leaves are extracted with alcohol containing hydrochloric acid, and the extract evaporated to a syrupy consistence, mixed with water and filtered. Excess of ammonia is added to the filtrate, and then chloroform. The chloroform solution is separated and shaken out with water containing hydrochloric acid.

This removes the alkaloid as hydrochloride, which is obtained by evaporation. The pure alkaloid is obtained by making an aqueous solution of one of its salts, adding excess ammonia and shaking out with chloroform, and washing the chloroform with water to remove ammonia. By evaporation the alkaloid is obtained as a pasty mass which does not crystallise. The salts crystallise well, the nitzate being the most used for medicinal purposes. The formula for pilocarpine is generally given as $C_1H_{14}N_2O_2$. By the action of hydrochloric acid or barium hydroxide pilocarpine is changed to pilocarpidine, $C_1O_1H_1N_2O_2$. It has been shown that β -pyridine-a-lactic acid can be converted into pilocarpidine, the methyl iodide of which is converted by oxidation into pilocarpine. The synthetic pilocarpine is identical with that of the natural alkaloid in physiological action. Administration of pilocarpine causes excessive sweating and salivation, and augments the secretion from nose, mouth, eyes and respiratory tract. Applied to the eye it produces contraction of the pupil. The salts usually are used in medicine or a fluid extract of the leaves. Pilocarpine nitrate is official in the B.P.

Pimento.—This spice consists of the dried unripe berries of Pimenta officinalis, Linde. (N.O. Myrtacea), a small tree about 30 feet high, common in the West Indies, but especially plentiful on the north side of the island of Jamaica on limestone hills near the sea. The island of Jamaica on limestone hills near the sea. The name pimento is a corruption of the Spanish name for pepper, i.e., "pimienta," and was given to it by the early explorers of the New World, who regarded it as a kind of pepper, owing to its resemblance to pepper in shape and size, and to its having an aromatic flavour. It is even now known as "Jamaica pepper," and in France as "Piment des Anglais," i.e., "English pepper." The name "Piment des Jardin" is also applied in France, in the sense of pepper, to capsicum fruit, just as in England it is called "red pepper" or "cayenne pepper." Pimento is almost wholly supplied by the island of Jamaica, chiefly from the port of Kingston, to the value of about £50,000 annually. It is grown there the value of about £50,000 annually. It is grown there in plantations known as "Pimento Walks," and the fruits are gathered when of full size but still unripe, the twigs bearing the bunches of berries being broken the twigs bearing the bunches of berries being broken off and exposed to the air and sun for some days. If left to ripen they will have become nearly black and pulpy inside, and are then coloured with bole or brown ochre to conceal their ripeness. The berry has a woody shell or pericarp, is $\frac{\pi}{10}$, $\frac{\pi}{10}$ of an inch in diameter, and is crowned by a short style and four short sepais, which are usually rubbed off, a scar-like raised ring marking where they were. The surface of the berry is rough due to the large cells immediately beneath the evidence. due to the large cells immediately beneath the epidermis filled with essential oil. The berries yield 3 to 4½ per cent. of essential oil, sp. gr. 1.037, and are rich in tannin, giving an inky black colour with ferric salts, and the decoction is coloured blue by iodine, indicating the presence of starch. Dragendorff found them to contain The oil contains phenoleugenol, with small quantities of levo-phellandrene, caryophyllene and eugenol-methyl ether, and probably other constituents. The odour of the bruised berries somewhat recalls those of cloves, cinnamon, nutnieg and pepper, and hence Ray, in 1632, called it sweet-scented Jamaica pepper or allspice. Their principal use is as a spice in confectionery, but there is no doubt that their use as a carminative in flatulence is no doubt that their use as a carminative in flatulence. is neglected in medicine, as they form an excellent antiseptic for internal use, and might well be used in
lozenges. In Mexico a similar spice is sold under the
name of Pimienta de Tabasco, but it is rather larger and
less aromatic than Jamaica allspice. It is considered in
Mexico to be a variety of P. officinalis, of which two
other varieties are known as "Pimienta de la Tierra"
and "Pimenta Gorda," both indigenous to Tabasco.
Analogous products are also yielded by Pimenta
Pimento, Grisez, and P. acris, Wight. The last-named
is the tree, the leaves of which are used to make bay, is neglected in medicine, as they form an excellent anti-

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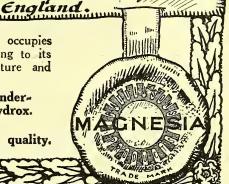




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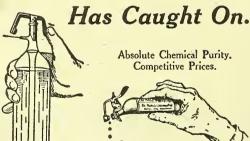
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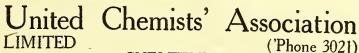
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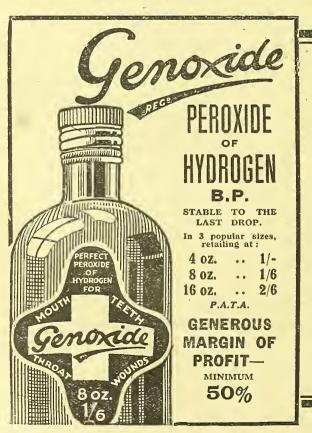
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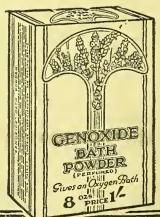
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A COMBINATION OF PETROLAX AND MIST. MAGNES. HYDROXIDI

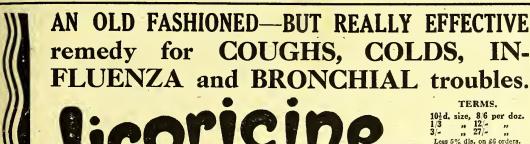
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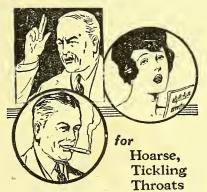


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NYAL INVITES YOU TO SHARE THE BENEFIT

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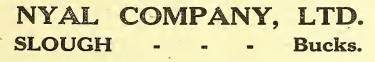
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Generous bonuses on seasonable lines.







HALVING THE DEATH RATE IN PNEUMONIA

See MEDICAL WORLD, August 24th, 1928:-

"An analysis of the cases reported by these writers, in addition to those published by Aufrecht, as well as the cases treated by us, shows a mortality of 20% in over 2,200 cases of Pneumonia in which quinine was not administered, whereas it amounted to only 9.6% in approximately 1,000 cases in which injections of quinine were given either in the early or late stages of the infection."

A difference between 20% and 9.6%!

THE "INJECTIONS OF QUININE" IN QUESTION WERE IN THE FORM OF

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NOTE THE INSTRUCTIONS (same Report):-

"For the specific treatment of Croupous Pneumonia due to pneumococcus infection, three injections of quinine in the form of Solvochin (2 c.c. each). In all other acute inflammatory affections of the lungs, including purulent, acute and chronic affections of the bronchi, prolonged treatment with Transpulmin is indicated as a means of administering small doses of quinine in combination with essential oils."

THE INTECTIONS ARE PAINLESS

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We are frequently pointing out the wonderful pulling power of 'ASPRO' Window Display on account of its linking up with continuous and everincreasing publicity. The following test of a display given by Mr. William Danson, M.P.S., will interest all chemists who wish to increase their business. The following letter is self-explanatory.

LOOK!

'ASPRO' has a Tremendous Power to Build up a Chemist's Business



William Danson, M. 9. 9.

Chemist and Druggist.

301, Regent Road Salford,

Sept. 24th, 1928

Messrs. Gollin & Co. Gentlemen,

Recently I made a display of ASPRO' along with two other brands of Aspirin Tablets. It was remarkable that during the period I sold about 6 Dz. 'Aspro' but only about 2 Ds. of the other two together.

Yours faithfully.

William Danson

The above test should demonstrate what a great power 'ASPRO' Publicity is to help the Chemist. It is not only on account of the actual 'ASPRO' that it usually sells, but also on its great value in bringing customers into the Chemist's shop who would not otherwise have come in. Every time you put an 'ASPRO' window display in you connect up with a £250,000 continuous advertising activity just the same as if you put your own name at the foot of the advertisements. Why not write us for a window display to-day, also take advantage of the liberal bonus terms shown below whereby you can make an extra 17% profit?



Buy 'ASPRO' on Bonus Terms and Get 17% EXTRA PROFIT

Just have a look through your purchases of 'ASPRO' and you will find that you are in a position to buy on Bonus terms. Buying on Bonus terms means extra profit averaging 17% to you. So why not place your next order through your Wholesaler on Bonus terms?

WHAT THE BONUS IS

BONUS One Gross Order - Bonus 1 dozen packets
On 10's Half Gross Order - Bonus ½ dozen packets
Half Gross 10's is minimum order
accepted for Bonus purposes.

BONUS One Gross Order - Bonus 2 dozen packets
On 25'S Quarter Gross Order - Bonus 1 dozen packets
Quarter Gross Order - Bonus 1 dozen packets
Quarter Gross is minimum quantity.

NO BONUS ON 60's.

CONDITIONS

The only conditions made are that the Chemist who buys on these terms undertakes to show Advertising matter in his shop window for 14 days and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO' but should enable the Chemist's staff to make other sales to the customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., in single lots 6 dozen 10's or 3 dozen 25's will quality the Chemist.

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We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us. state the name of your Wholesaler so that we may forward the order on, and the Bonus will be supplied direct by us.

ORDINARY PRICES for 6d. size containing 10 tablets, 4/6 dozen 1/3 size containing 25 tablets, 11/6 dozen 2/6 size containing 60 tablets, 21/- dozen 10 extra tablets.

ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

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No proprietary right is claimed in the method of manufacture or the formula.

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Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

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It does not require purchaser's signature.

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Medical Opinion
is well advertised
and yields you
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Everybody needs Snowfire. Most people know how splendid it is for chapped hands and cracked lips and for all cold-weather conditions of the skin. Let them know that you stock this useful little tablet. Display Snowfire on your counter and sales will keep on the upward grade all the winter.

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You should stock up well with these Snowfire lines—they are splendid all-the-year-round sellers:—

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Snowfire Face Powder
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For the prevention, alleviation, and curative treatment of

RHEUMATISM

and allied disorders: Lumbago, Sciatica, Neuritis, Arthritis, also GOUT, High blood pressure, Corpulence, Kidney and Bladder troubles.

The only preparation of this kind obtainable in tablets.

HARMLESS. GUARANTEED GENUINE AND EFFICIENT.

CONTAINS NO NARCOTICS

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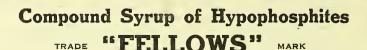
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Take a Stock and be prepared.

Apply to the Proprietors for terms and Bonus for Window Display.

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Compound Syrup of Hypophosphites "FELLOWS," in addition to being in constant and increasing demand, adds distinction to a chemist's show window.

It is a symbol of progressiveness and reliability.

Tablets Laxative "FELLOWS"

"The Tablet With a Pedigree"

IN TWO SIZES, NAMELY:

LARGE BOTTLES (Containing 100 Tablets)

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ESTABLISHED OVER 60 YEARS

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FOR CHILDREN'S AILMENTS



Wholesale from PERRYS POWDERS, Ltd., LEEDS

CHEMISTS SHOULD ALWAYS HAVE IN STOCK

TOWLE'S PENNYROYAL & STEEL PILLS

Advertised all over the world. ESTABLISHED 100 YEARS.

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NONN for MEN
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27/- doz.
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Just look round your shop—see the number of articles that stay there week after week taking up valuable space—space for which you pay rent—space that could be better filled with fast selling lines.

Lines that sell well are lines that pay. That is why Beecham-Veno goods are capital lines to stock. They sell well and they sell quickly, and what is more every sale adds to your reputation as well as to your profits.

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Modern life upsets Nerves, and Digestion of thousands of people. The remedy to restore their nerves and digestion is Cassell's Tablets a most re-

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The season is here when coughs, colds and chest complaints are prevalent. As a consequence, Lightning Cough Cure—the family remedy that has stood them in good stead for years

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An attractive Showcard and Dummies supplied on application.

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As prepared by WM. ALFRED JONES ate Joint Proprietor of the

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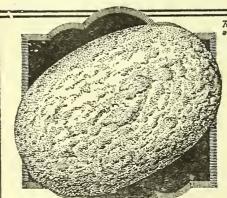
Sole Agents, WM. ALFRED JONES LIMITED, West India House, Maryland Street, LIVERPOOL.

The ideal milk sugar for babies. We are having direct orders from all parts of the country. Why not participate in this business?

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Two thirds

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

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What is SUNSHINE GLAXO?

Chemists are being asked for Sunshine Glaxo, and quite a number of our friends do not seem to realise that this is the name given by the Nursing Profession to the New Prescription Glaxo which contains the Sunshine Vitamin D. If you do not stock this line, it will pay you to write for particulars, and the cost of the postage will be gladly refunded.

ALL SALES OF SUNSHINE GLAXO WILL PASS THROUGH THE NORMAL TRADE CHANNELS

Our new system of dating (only 4 dates per annum) makes constant stock supervision unnecessary.



TWO SIZES ONLY 2/- & 4/-

Address all enquiries to the SALES MANAGER, Glaxo House, 56 Osnaburgh St., LONDON, N.W.1. *֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍֍*֍

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RIVISTA ITALIANA DELLE **ESSENZE PROFUMI**

(Affiliated to the Technical Press Association.)

Official Organ of the Group of Producers of Aromatic Substances of the National Fascist Federation of Chemical and Allied Industries

Dr. EMMA FENAROLL Director:

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DOSE: One wine-glass after the two principal meals.

Recommended by—
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"For more than thirty years St. Raphael Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie Ros on Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—Union Medicale, May 8 and June 12, 1873.

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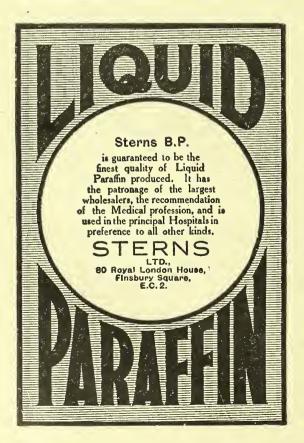
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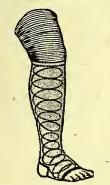
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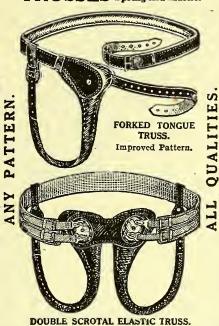
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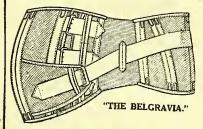
CRÉPE VELPEAU **BANDAGES**

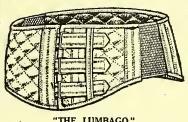
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ABDOMINAL BELTS ABDOMINAL SUPPORTS WOVEN ELASTIC CORSETS SUSPENSORY BANDAGES

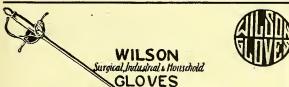




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When pulled they always come back; when pushed

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When you're asked for crêpe bandages-sell

BLUE CARTON

Satisfied customers are an asset. PROTECTED PRICES.

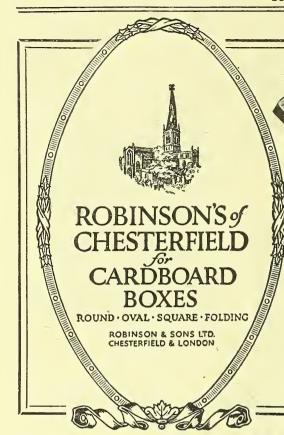
Cost: 12/- 15/3 18/3 21/3 24/3 Sell: 1/6 1/11 2/3 2/8 Discount for quantities: 3 doz. 23%, 6 doz. 5%.

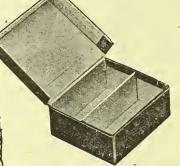
Stocked by all the leading wholesalers. Grout & Co., Ltd., 35 Wood St., London, E.C.2

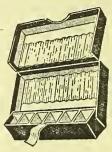
MORNIC CREPE BANDAGES UNIVERSALLY RECOMMENDED
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All sizes in stock ready for delivery per return. List and Terms on application. Catalogues supplied free for distribution.

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Coila 24 ins. wide 4/- doz.

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For Corns, Bunions, and Callouses.

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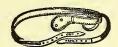
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Season 1928-29



New exclusive and original designs. More beautiful colourings and also "LUSTRE-DE-LUXE" the gleaming metallic finish which scintillates Gold, Silver, etc.

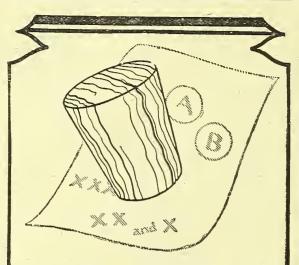


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Send for our latest list containing prices and illustrations of the coming Season's Hot Water Bottles.

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THE water mark on paper is your assurance that you receive the exact kind of paper you order. Similarly the grade marks of Armstrong Corks are your definite certainty of obtaining the same standard always. These corks are graded thus: (A), (B), and XXX, XX and X. For every demand, at every price there is a suitable Armstrong Cork.

Armstrong's have been making corks for 65 years—and their experience and knowledge are at your service. Armstrong's Corks are guaranteed corks.

Write NOW for Samples and Quotations.

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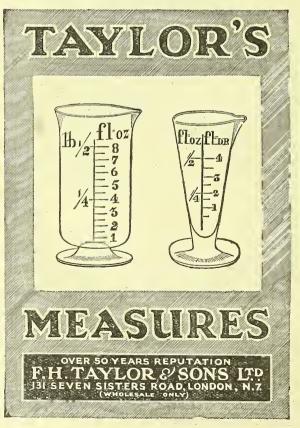
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Glass Instruments.

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Briefly, these are the reasons why the "VISKAP" is the Best Cap:

- 1. The "Viskap" imparts the finest possible appearance and finish to any type of bottle, and assumes the shape of any particular type of cork, stopper or sprinkler.
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Make your bottles look better with the British

VISKAP SELF-FIXING HERMETIC SEALING BOTTLE CAPS

The "Viskap" is the only British-made viscose cap. It is British from beginning to end, owned and made in England by an entirely British Company. "Cap the lot."

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PHOSFERINE

New Window Display Conditions

Monthly Account.

Carriage Paid.

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6, on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

	COST				5	SELLS FOR			
3½ dozen 1/3 size at 12/- net	****	£2	2	0	£	2	12	6	
2 ,, 3/-, ,, at 30/- ,,	0 600	3	0	0_		3	12	Ò	
		5	2	0					
Less 10/6 for Window Show	••••		10	6					
		£4	11	6	\$	6	4	6	

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6. Window Display Material Free and Carriage Paid.

PHOSFERINE.

arriage Paia.		Monthly Account.
1/3 size	••••	12/- per doz. net
3/- ,	••••	30/- ,, .,
5/	••••	48/6
12/- ,,	1614	114/- ,, ,,

PROTECTED PRICES.

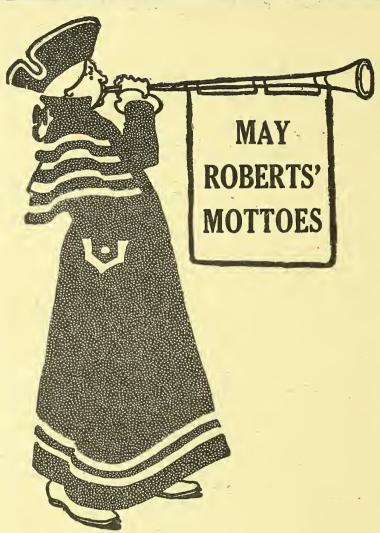
Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

PHOSFERINE (ASHTON & Ltd., Ludgate Hill, LONDON, E.C.4.

Telegraphic Address: "FHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.

6



"To carry conviction, you must be yourself convinced."

The finest advertising force is recommendation, one word of recommendation founded on experience carrying more weight than columns of self-praise.

Lest it might be thought that May, Roberts' trumpeter is dead, listen to what one of our customers, whose pharmacy is 123 miles from London, says:

"I should like to mention that I sent you an order on the 8th for 89 items. The goods were delivered here early on the 10th."

Nothing that we can say would add to the persuasive power of this pithy testimonial. What the retail Pharmacist pays for when he goes to the Wholesale Distributor is celerity of working, freedom from omissions, and lowest prices, and you get what you pay for if you go to May, Roberts.

This testimonial is but one of hundreds which we can show you at Clerkenwell Road, but if you cannot call, send us a postcard for the most complete Catalogue of Druggists' Sundries in existence, and with this before you, write out a test order and convince yourself.

Our supply of lists is running low, so write the postcard now.

May, Roberts & Co., Ltd.

P.O. Box 157

7/13 Clerkenwell Road, London, E.C.1

And at - Dublin, Liverpool and Plymouth

[90/30]

ID DRUGGI

42 CANNON ST. LONDON E.C.4

OCTOBER 27, 1928

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST

REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let. Goods for Sale and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

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10 words or less.

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-.

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In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

All Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone of telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

CLOSING FOR PRESS.

MUST REACH US NOT LATER THAN

FIRST POST

ALL ADVERTISEMENTS INTENDED FOR INSERTION IN THIS SUPPLEMENT

THURSDAY MORNING

EMISTS' TRANSFERS

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of Sale, Purchase and Valuation

1.—HAMPSTEAD.—Neglected Retail and Dispensing Business; present returns £1,200 per annum; gross profit 40 per cent; six-roomed house with bathroom and private entrance; held on lease; rent £80; sublet £1 1s. weekly; price £900; ill-health cause of sale. We are of opinion that under modern management an opportunity exists here to increase the turn-over metainly. over materially.

2.—VICTORIA.—Old-establish Business; returns, under management, £30 weekly; capable of doing £50 weekly under personal supervision; long lease; rent £90, rising to £100; tock-up shop with room at rear; price £250 for lease and goodwill, plus value of stock and fixtures, in all about £1,100.

3.—KENSINGTON.—Good-class Retail and Dispensing Business; established over 50 years; returns, present rate, £2,250; net profit, £650; small shop; estimated value of stock and fixtures, £900; lock-up shop; rent £30; price £1,550.

4.—N.W. SUBURB.—General Retail and Dispensing Business, with Kodak Agency and small Ladies' Hairdressing Department; returns approach £50 weekly; good living accommodation; moderate ront; held on lease; price £1,200.

5.—LONDON, N.—Dispensing and Photographic Business (Kodak); returns, under the management of a lady, £1,500 per annum, rapidly increasing; large shop, in very good position; house sublet at £2 weekly; long lease; price to be arranged; part payment entertained.

6.—SURREY.—General Retail Business, with N.H.I. Dis-pensing; returns, under management, £2,000 per annum; double-fronted shop; good position; convenient residence; new lease; offers invited.

7.—ESSEX.—General Retail Business, with N.H.I., Kodak Agency, and Wine Licence; established 20 years; returns, under management, last year £1,600, increasing; doube-fronted shop, well fitted and stocked; good living accommodation with garden; rent £45, rising to £50; price about £1,000.

2.—SOUTHERN COUNTY (Progressive Town).—General Retail and Dispensing Business, with Kodak Agency; returns, under management, £2,200; rent £100; long lease; price £1,350.

9.—HAMPSHIRE.—Cash Drug Store for disposal; returns, present rate, about £20 weekly; much more in scason; good house; 14 years' lease; price about £500; vendor also has another small business for disposal in the same district.

10.—DERBYSHIRE.—General Retail Business, with Kodak Agency; very old established; returns average £40 weekly; shop has two windows; good house, with garage and garden; rent £50; held on lease; price £1,490.

11.—GLAMORGANSHIRE.—General Retail Business, with Photographic; returns, present rate, £5,900 per unnum, increasing; stock and fixtures estimated at £1,450; rent £150; held on lease; price £750 for goodwill; stock and fixtures at valuation.

12 .- HOME COUNTY .- Light Retail, with Kodak Agency (two businesses); both conducted under management; total value of stock and fixtures £800; new leases would be granted at moderate rentals; no serious opposition; price £1,000; combined turnover £2,000.

13.—SUSSEX:—General Retail and Photographic Business; returns approach £2,000 per annum; net profit £475; dcuble-fronted lock-up shop, main road position; long lease; price

14.—YORKSHIRE.—General Retail and Dispensing Business near Sheffield; returns £1,400; net profit £400; single-fronted shop; estimated value of stock and fixtures £700; held on lease or property may be purchased; valuation terms or lump sum offer entertained.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to under-take these essential duties and make Special Terms for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Manfo. Chemists, Ltd.

Business Agency, Transfer and Valuation Department Head Offices-Kimberley House, Holborn Viaduct, London, E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Accountant and Valuer.

'Phone: City 1261-2-3

BUSINESSES FOR DISPOSAL

I.—STAFFS.—Established Chemist's Business; situated on main road; unopposed in Photo and Optics; returns £24 p.w., ecope for increase; lease can be arranged; rent £65 p.a.; price asked, lease and goodwill, £150, fixtures and fittings £150, and stock approx. £450. Full particulars on application. (179.), 2.—LONDON, S.E.—Recently established Drug Stores, held on lease 14 years at £55 p.a., rising to £60 p.a. for last 7 years; premises consist of large lock-up shop with room at rear; returns average £12 per week; great scope for qualified man and N.H.I.; no reasonable offer refused.

3.—MANCHESTER (District).—Old-established Dispensing Chemist Business in good-class suburb on a yearly tenancy at £120 p.a.; let off £117; returns average £27 per week, all cash; excellent opportunity as quick sale is desired; good reasons. (172)

£120 p.a.; let off £117; returns average £27 per week, aucash; excellent opportunity as quick sale is desired; good reasons. (172)

4.—DURHAM CO.—Chemist Business for immediate disposal; lease can be arranged at £30 p.a. rent; takings £17; Kodak and Ucal Agencies; good living accommodation. (174)

5.—STAFFS DISTRICT.—Excellent opportunity for qualified man. Drug and Photographic Store on lease 5 years to run at £40 p.a.; returns £10 per week; could be easily trebled; good living accommodation; full particulars on application. (169)

6.—HULL.—Dispensing and Family Chemist Business in busy thoroughfare (which will shortly become a main road owing to alterations); rent £26 on .a yearly tenancy, which can be secured; returns £900 p.a.; lock-up shop; good prospects for a young qualified man. Further particulars on application. (170)

7.—SOMERSET.—Drug and Photographic Business; premises, which consist of lock-up shop with room at rear, neld on lease with 8 years to run at rental of £88 p.a. inclusive; good scope for live man; price asked £400. (178.)

8.—LONDON, S.W.—Very old-established Family Retail and Dispensing Business, occupying prominent corner position in busy thoroughfare; lock-up shop with storage accommodation; held on advantageous lease at £100 per annum; returns approximately £2,500 per annum; can be increased under personal management. Full particulars on application. (148)

9.—LONDON, N.—Old-established Retail Dispensing Cash Pharmacy, with N.H.I.; well fitted and good stock carried; premises, which consist of nice pharmacy, dispensary and six rooms, to be disposed of freehold at £1,250; returns average approximately £24 per week; can be increased with capital; no reasonable offer refused.

10.—LIVERPOOL.—For disposal, owing to ill-health, Chemist and Druggist's Business; lease can be obtained; rent £65 per annum; excellent living accommodation; returns average £175; stook approx. £300. Fullest particulars on application.

per week; price for lease and goodwill £50; nxtures and ntrings £175; stook approx. £300. Fullest particulars on application. (167)

11.—SHEFFIELD.—Established on February 1 last; turnover £12 to £15 per week; rent £40 per annum; five years' lease from February 1; stock about £400, fixtures £300.£350. Further particulars on application.

12.—SOUTHEND-ON-SEA.—For immediate Disposal, Chemist's Business, in busy centre; premises consist of lock-up shop, with Dispensing and storage room; rent £200 per annum, progressive; returns average £1,500, could be increased. Fullest particulars on application. (175)

13.—ESSEX (Health Resort).—Prescribing and Dispensing Business; established 24 years; no opposition; Kodak Agency; good opening for Optical and Dental; owner retiring. Further particulars on application on main street, with living accommodation; held on lease for 7-14 years; rent £400 p.a.; returns average £35-£40; could be increased; stock approx. £8-900. Further particulars on application. (176)

15.—LANOS.—Old-established Chemist's Business, with Wine Licence; premises consist of shop and dwelling-house; property for sale, £1,000. Full particulars on application. (177)

16.—WHOLESALE.—We have for disposal an old-established Business of Druggists' Sundricsmen having to vacate premises owing to termination of lease; are willing to dispose of their stock-in-trade, valued approximately £3,000/5,000, to wholesale house at cost price and to transfer goodwill of business; turnover approximately £15,000 p.a. Consideration, owner being employed by firm on terms agreeable.

17.—LONDON, N.—Established Chemist's Business; premises, which include convenient living accommodation, held on lease; 15 years to rnn; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application.

18.—WANTED, sound Chemists' Businesses in London district; takings must be over £1,000 p.a. All communications treated in confidence.

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

BERDOE

CHEMISTS' VALUERS AND TRANSFER AGENTS.

41 Argyle Square, KING'S CROSS, W.C.1

(Oue minute from St. Pancras and King's Cross Stations.)

(Oue minute from St. Pancras and King's Cross Stations.)

1.—NORTH MIDLANDS.—Good class Country Business in pleasant residential town; returns about £2,500; good profits; books audited; nice house and garden fully stocked; price £1,600, freehold £1,500.

2.—SOUTHAMPTON (Near).—Light Cash Retail, with Kodak Agency; no immediate opposition; returns over £1,500; scope for increase; audited accounts; large shop with house available; garage, etc.; well fitted and stocked; price £1,500, or near offer.

3.—YORKSHIRE COAST.—Light Retail Dispeusing and Photographic, in popular resort; returns £2,550; excellent stock; good house aud pharmacy; price £1,850.

4.—WILTS.—Unopposed Mixed Countery Retail; returns last year nearly £1,500; net profit £400; large house, garden and storage; owner going abroad; price with freehold £1,350.

5.—ESSEX COAST.—Light Family Retail; same hands many years; retiring: returns about £1,500; net profit £400; no Photo or other side lines; plenty of scope; good house and garden; price with freehold £2,000.

6.—HOME COUNTY.—Old-established Business, in central position of progressive industrial town; returns approach £3,000 under management; books audited; scope for increase; heavily stocked; price £2,600.

7.—KENT.—Unopposed Light Country Retail; pleasantly situated; returns about £1,500; net profit £350; good house; owner going abroad; nrice with freehold £1,600.

8.—SOUTH COAST.—Good-class Business, with branch; easily worked; returns £4,400; living accommodation at branch; price £3,500, or valuation terms arranged.

9.—CHESHIRE.—Sound Cash Retail, with large Panel; returns £950 net profit £358; low rent; house attached; excellent stock; price £500.

10.—LONDON, N.W.—Light Cash Suburban, with Kodak Agency; returns £3,200; good main road position; books audited; handsomely fitted, fully stocked; price £2,600.

11.—LONDON, N.S.—Cash, working-class, Retail Business; nopposed; returns £3,200; worth attention.

STOCKTAKING VALUATIONS.

We are now booking dates for November onwards, and invite early application. Terms on application.

Estab. 1870. Telephone: Terminus 3574.

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ABOUT THE BUSINESS YOU HAVE TO SELL OR REQUIRE.

Private Register kept of Businesses For Sale and Required.

Strictest confidence observed.

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Tel.: Holborn 8158
3 St. Paul's Close, WALSALL

Tel.: 774&: 1000 Walsall

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CHEMISTS' VALUER AND TRANSFER AGENT 135 QUEEN ST., NEWTON HEATH, MANCHESTER.

If you wish to buy or sell a sound Business, write me,

"I SPECIALISE." Valuations by fully qualified staff, (Tel.: Failsworth 113.)

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER. ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

. We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remit tances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BARRY, GLAM.—Chemist's Business; busy main thoroughfare; turnover averaged over £3,000 per annum for last six years; Kodak. Agency; N.II.I.; own D. & P. Department; cash trade; ample living accommodation; price, as going concern, £2,000; genuine buyers only (banker's reference); full particulars at interview. Apply 275/22, Office of this Paper.

CLOS.—Country Business, Bristol district; turnover approaches £3,000; large modern shop, fitted mahogany; Kodak; large house; electric light; rent £150, sublet deutist £50; net profit about £700; lease granted, but profer sell property; books audited; good class residential and agricultural neighbourhood. Apply, giving banker or wholesale house ref., 278/40, Office of this Paper.

HAMBLEDON, HANTS.—£300. Chemist's Business for Sale; no opposition; only chemist in village; stock at valuation; splendid opportunity for anyone with small capital; rental £25 per annum; house above shop. Premises can be bought from W. B. Duncan, Chemist, Hambledon.

LONDON, W.—Good-class Dispensing and Light Retail in busy thoroughfare; lock-up double-fronted shop, with good basement; rent £80, on long lease; no near opposition; returns present rate over £1,500, increasing, at exceptional prices; price £1,200 for quick sale; every investigation invited. Apply, giving banker's reference, 278/16, Office of this Paper.

LONDON, S.E.—Opportunity of purchasing sound Chemist's Business, doing about £20 weekly cash, at good prices, under management; unique position; no near opposition; capable of great increase in live hands; proprietorship changed once in 15 years; shop and parlour 15s. weekly, on lease; price £550. 278/15, Office of this Paper.

LONDON, N.-Chemist's Business, good class, doing over £20 per week, increasing; scope; good tease; lock-up; £550, including good stock; owner taking larger business. 278/12, Office of this Paper.

L ONDON (20 Miles).—Drug Stores; modern premises; in new neighbourhood; shop, double-fronted; four rooms, kitchenette and bathroom; trade £20, rising; no Dispensing; good opening for a qualified man; price, stock, fixtures, goodwill and freehold, £1,550. 279/34, Office of this Paper.

MANCHESTER. MANCHESTER.—Exceptional opportunity; recently established, well fitted and stocked in thickly populated neighbourhood; no opposition; returns average £700; also N.H.I.; turnover can be considerably increased; modern house attached with all conveniences; sound reasons for disposal. 275/25, Office of this Paper.

MANSFIELD.-Lock-up Pharmacy; rent 21s. and rates; fit-tings £120; stock optional. Apply B. G. Hayes, Bridge

NORTH TYNE.—Country Pharmacy; returns average about £18 weekly; Kodak Agency; lock-up shop; modern fittings; low rent; opportunity for M.P.S. to increase Agricultural, etc.; centre for visitors; nearest chemist 17 miles; price £225; stock at valuation, or to suit purchaser; stamp further details; no triflers. Wilson, 1 Fountain Terrace, Bellingham-on-Tyne.

N.W. LONDON.—Chemist's Business, adjoining doctor's fixtures, fittings, goodwill, and long lease; opening for Optics; good reason for selling. Apply Phillips, 139 Malda Vale, W.9.

SALOP.—Drug and Fancy Stores, with Kodak Agency; rent £40, on lease; living accommodation; large garden, stables and outbuildings; takings £26 to £30 week; splendid opportunity for qualified man. Marston, Auctioneer. Smitthford Street.

SHEFFIELD.—Small Chemist's Business for disposal, with N.H.I.; £200 secures, half of which can remain on loan; splendid opportunity for beginner; sound reasons for disposal. 277/33, Office of this Paper.

SOMERSET.—Drug and Photographic Stores; popular seaside resort; increasing business; reasonable price; owner retiring. 276/28, Office of this Paper.

SOUTHERN COUNTY.—Old-established Chemist's Business for disposal in country town, within easy reach of coast; well-fitted shop; good house attached, with garden, stores, etc.; turnover about £1,495 per annum; price £1,250, including the free-hold premises, fixtures, fittings, utensils, and about £500 worth of stock; part of the purchase price can remain on mortgage if desired; immediate possession. 136/738, Offico of this Paper.

COUTH COAST TOWN.—A lock-up double-fronted Shop in main road; good-class Dispensing and Photographic Business; returns nearly £2,000, at good profits; price for lease goodwill and fixtures £800, with stock at valuation (£200 to £300); a splendid opportunity for a pharmacist to acquire a thoroughly genuine, progressive business. Full particulars 278/28, Office of this Paper.

SOUTH DEVON.—For Sale, in leading seaside town, neglected and unopposed Business; long lease; growing neighbourhood; modern fixtures; stock and lease at valuation. 279/25, Office of this Paper.

S TOCKSFIELD-ON-TYNE (Northumberland).—Chemist's and General business for Sale at once, owing to death of lessee; excellent honse and garden; charming situation; seven years' lease (renewable); rent £70 per annum; average weekly takings £27; price £800. Apply Brierley, Chemist, Stocksfield-on-Tyne.

DRUG Store (lock-up) in rapidly developing district in S.E. London; returns £2,000, under unqualified management; considerable scope for N.H.I. and increased counter; 17 years' lease to run at £68; price for lease, goodwill, fixtures and fittings, £800; stock (about £250) at valuation. 266/33, Office of this Paper. tings, £800; s of this Paper.

DRUG Stores, E.; must be sold through illness; £475, or near offer; includes stock, fixtures, fittings and lease (12 years); living accommodation; could be sub-let; takings £945. 276/38, Office of this Paper.

TIRST-CLASS Chemist's Business for disposal in good residential town 40 miles from London; turnover approaches £6,000; very best position; modern, handsomely fitted pharmacy; excellent stock; only genuine buyers with £5,000 need apply; banker's reference required. "South," 136/747, Office of this Paper.

HIGH-CLASS SURGICAL BUSINESS for Sale, with Proprietary Department, in Yorkshire; living accommodation; main road; easy rent; lease; ill-health reason for selling; attractive bargain for quick sale. Apply 135/718, Office of this Paper.

ONE of the best Family and Agricultural Businesses in Yorkshire; good turnover, with profits above average; large premises and good stock; price £3,500 for stock and fixtures; goodwill by agreement; prospective buyers only, please. 275/15, Office of this Office.

MALL Business for Sale at Askrigg, in Wensleydale, owing to the death of the proprietor; good opening for Photography; low rent. For full particulars apply Bleasdale, Ltd., Wholesale Chemists, York.

UP-TO-DATE Drug and Photographic Stores. S.W.; fairly fitted and stocked; weekly takings £16; good profits; 7 rooms; side entrance, with plenty of storage; grand chance for M.P.S.; big scope for N.H.I.; all at £300; part cash can remain. 279/6, Office of this Paper. Will advertiser please send address?

WITHIN easy reach of Bournemouth, good little Business in growing district; present takings £20 per week; good modern house and convenient shop; price of business £850; price of freehold property £1,000, or might consider lease. 277/29, Office of this Paper.

£1,000 PURCHASE price of up-to-date Pharmacy, 3 miles East side of Birmingham, comprising leasehold new corner attractive property value £900 (mortgage £600); ground rent £3; excellent living accommodation; in new thickly populated growing district; electric light, telephone; new fixtures and fittings £400; stock £250 approx.; returns £20 weekly first year; admirable opportunity for beginner with above capital; sale without property entertained; references oxchanged; satisfactory reasons for selling; genuinely interested applicants only, please. 279/4, Office of this Paper.

APPRENTICE WANTED.

A PPRENTICE (young lady) required; Matriculation, Part I, preferred. Also Improver, for six months only, required immediately. Apply Pharmacist, London Jewish Hospital, Stepuey Green, E.1.

SALE BY AUCTION.

Removed from Regent Street.

SALE ROOMS, 5 LITTLE BRITAIN (close to G.P.O.), E.C.
Dispensing Cabinets, Plate-glass Counters, Silent Salesmen, Wall
Showcases, Office Furniture, etc.

R. NORMAN & SON

will Sell by Auction, as above, Wednesday Next at One o'clocks
On View Day Prior. Catalogues on application. Removed from Regent Street

AGENCIES.

Well-known Italian Serologic Institute (working under Italian and American Public Health Services Licences) will concede

Sole Agency for Great Britain & Ireland.

products manufactured: Sera, Vaccines, Tuberculins, Ferments, Organotherapeutics, Antiluetics, Arsenobenzenes.
Only applications from well-organised first-class firms will be taken into consideration. Detailed offers with references to:

Box M.O. 429, RUDOLF MOSSE, Corso Vittorio Emanuele 30,
Milan, Italy.

HOLLAND.—Ortt & Co.'s Handel Mij. (Director, W. J. F. Smitb), Agents, Rotterdam (established 1896), invite correspondence with firms of repute desiring representation in Holland; highest references supplied.

A GENT WANTED.—Danish Manufacturers of Household and Surgical Rubber Gloves and Teats are desirous of appoint-ing a Sole Representative for Great Britain. Apply to the Danish Consulate-General, 7-8 Noriolk Street, W.C.2.

PASTILLES, LTD., distributors of Lakerol Bronchial Pastilles, are prepared to offer their Sole Representation in Scotland on a commission basis to reputable firm desiring an additional line, and with good connection among Chemists and Druggists. Apply 124 High Street, Sboreditch, London, E.1.

NOTICE OF EXAMINATIONS.

NOTICE OF EXAMINATIONS.

EXAMINATIONS.

The Certificate of Pharmaceutical Chemist under Schedule 2 of the Pharmacy and Poisons Act (Northern Ireland), 1925, will be beld in the Municipal College of Technology, Belfast, during the week beginning 3rd December, 1928. Application Forms, to be obtained from the Secretary, 55,56 Scottish Provident Buildings, Belfast, must be completed and returned to him on or before 3rd November, 1928.

BUSINESSES WANTED.

YOUNG Chemist is desirous of purchasing a good sound Business; must be a reasonable figure. Please give full particulars. J. Curtis, Ltd., 24 New Bond Street, London, W.1. Phone: Maylair 2658.

PREMISES TO LET.

TO Let, old-established Chemist's Business Premises, including Residence (licensed for the sale of Wine and Spirits), 41 High Street, Maryport; vacant possession. Apply Ritson & Co., Ltd., Maryport, Cumberland.

PREMISES FOR SALE.

FREEHOLD Shops, Hackbridge, Snrrey.—Main road position, almost outside railway station and two 'bus stops; a splendid opening for Chemist, not being one within 1½ to two miles; urgently required in the neighbourhood. For particulars apply E. Grout, 6 Link Road, Hackbridge, Surrey.

SITUATIONS OPEN.

RETAIL.

HOME.

The Advertiser may if preferred bave replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BRISTOL (near). — Qualified Superintendent required for small country business; permanency to suitable man; applicants must possess good general experience, including Photography. Give full particulars first letter, age, salary (outdoors), references. Ellby, c/o Evans, Gadd & Co., Manufacturing Chemists, Bristol.

CITY.—Gentlemanly Assistant, age 25-30, with good-class London experience; good address and energetic; for about November 17. Apply personally (or if by letter giving particulars of employment during last few years, age and salary required. Letters unanswered in four days declined). Beeny, Chemist, 41 Queen Victoria Street, E.C.4.

HERTFORDSHIRE.—Junior for Counter, Dispensing share usual pharmacy duties; light post; salary £1 indoors or £2 10s. outdoors. Apply, stating age, height, resperience, and furnish photo if possible (to be returned), W. Davis, Chemist, Sawbridgeworth, Herts.

OXFORD.—Energetic young Chemist required as Branch Manager for good-class Pharmacy in busy suburb; wide scope for reliable man with highest references. Apply, stating age, enclose photo, and full particulars, to Managing Director, The Oxford Drug Co., Ltd., Oxford.

PENRITH.—Qualified man wanted as First Assistant; must bave bad good experience, able to take charge, and preferably accustomed to Veterinary business; good references essential. State age, experience, salary required, etc., to Thos. Edmondson, Ltd., Chemists, Penrith.

ALFORD.—Pharmacist (male) required as Assistant for early November; permanency; progressive position; commence £4 10s.; quick and accurate Dispenser; state age (not over 45); knowledge of Optics an advantage but not essential. Replies not answered within week respectfully declined. 279/10, Office of this Perer. of this Paper.

SHEFFIELD.—Qualified Manager wanted immediately for small business, to take charge until sold. 136/743, Office of this Paper.

SOUTH COAST.—Unqualified Assistant wanted, November 5, age 25 to 30; must have undeniable references, energetic and obliging; good Dispenser and knowledge of Photography; interview by appointment. Photos will be returned, but others not replied to in 4 days declined; state lowest wages. J. Hughes, "Crystora," St. Leonards Gardens, Hove, Sussex.

SOUTHAMPTON.—Unqualified Assistant for Dispensing and Counter. Send full details and photo, if possible. 277/20, Office of this Paper.

WITHAM, ESSEX.—Junior Assistant wanted now or in one month's time, aged between 19 and 22; must have good experience in Dispensing and Counter work. Reply, giving age, experience, references, and salary expected, and photograph if possible, to T. Bellamy, Pb.C., 2 Kendal Square, Chelmsford.

A LADY (Minor qualification) required in North London as Assistant; must be reliable Dispenser and good, tactful Saleswoman; duties chiefly Dispensing. Also young lady for general shop work, including Counter and Stock; dispensing not necessary. Age, experience, salary, etc., to 279/9, Office of this

A N Assistant required (male) for a good-class Retail and Dispensing business. Please state full particulars (by letter in first instance), age, experience, and salary required, to W. Green, 156 Cromwell Road, South Kensington, S.W.7.

A SSISTANT, unqualified, for good-class country business; must be a good Counterman, Photography and Dispensing; permanency for suitable man who will work with enthusiasm. Fullest particulars and salary required to Wm. J. Fisk, 7 Oakley Road, Shirley, Southampton.

ELDERLY qualified Chemist wanted for N.H.I. Dispensing and Stock; no counter work required; London, S.E.5. State wages to P.C.B. 62/13, Office of this Paper.

HUBERT B. FIGG, Chemist, Berkbamsted, requires qualified lady Assistant to manage branch. Send full particulars as regards age, height, wages, experience, etc., with first letter, including photo (snap), to be returned.

I MPROVER or Junior, young and active, required for good-class Family business; every encouragement given. Apply, stating usual particulars and enclosing copy references, to A. E. Hobbs, Ltd., Chemists, Mayfield, Sussex.

JUNIOR Assistant; young; accustomed to good-class Dispensing and Retail business. Please state age, height, references, salary required (outdoors), and enclose photo. E. Bing & Son, Pharmaceutical Chemists, Canterbury.

KENDALL, Chemist, York, have a vacancy for smart Counter Saleswoman, Window and Case Dresser; must be proficient, used to first-class quick business. Write fully, enclosing photo, references, etc.

LADY Assistant required for Surrey vacancy; age about 25; must be well up in Dispensing and accustomed to high-class Chemist's business. Send full particulars, age, height, references, experience, salary required, and when disengaged to E. T. Neathcrooat, 61 Welbeck Street, London, W.

MANAGER, with experience of country mixed business, qualified Optics. married, about 50, view to Partnership; good house and garden on promises; sound concern affording exceptional opportunity to enterprising man; silence negative. "Pbarmicus," 276/27, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith, and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

MANAGER required for Drugs Department in Departmental Stores; must be thoroughly competent, though not necessarily qualified; good prospects; age 35 to 45. Write, stating experience, age, and salary required, to Staff Manager, Welwyn Stores, Ltd., Welwyn Garden City.

PARKES CHEMISTS, LTD., have a vacancy for an unqualified Assistant. Apply, by letter, with full particulars of experience, age, height, and salary required, to the Secretary, 65 Harmood Street, N.W.1.

PARKES CHEMISTS, LTD., have a vacancy for a lady Dispenser (Hall Certificate) with some Counter experience; wimbledon district. Apply, by letter, with full particulars of experience, age, height, and salary required, to the Secretary, 65 Harmood Street, N.W.1.

PHARMACY.—Assistant (lady), unqualified or Hall Certificate, required for South-West district; must have general Pharmaceutical and shop experience. Apply, by letter, stating age, experience, and salary, to "Staff Manager," Royal Arsenal Cooperative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee and officials will disqualify.

PHARMACY.—Assistant, unqualified, age about 25, required; good all-round experience, Dispensing, etc., necessary (South-West district). Apply, by letter, stating age, experience and salary required, to "Staff Manager," Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee and officials will disqualify.

QUALIFIED Chemist required to take charge of Retail Branch, South-West district; age 25-35; must be thoroughly capable man, experienced in every branch. Apply, in writing, stating age, experience and wage required, to "Staff Manager," Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee and officials will disqualify.

QUALIFIED lady or gent. Assistant, capable of taking charge, accustomed to Mixed Retail, Dispensing, Prescribing and Window-dressing. State age, salary, references; Liverpool suburb. 275/24, Office of this Paper.

QUALIFIED (Minor) lady Assistant required at once; Counter and Dispensing. State age, height, experience, salary required (indoors), testimonials, and full particulars in first letter. Reply to Williams & Baxter, Ltd., 38 St. Peter's Road, Great Yarmouth.

QUALIFIED Manager to take charge of sales and staff at head shop (no buying); must be experienced business bnilder with progressive ideas; gentlemanly appearance; energetic and trustworthy; able control staff; sound, tactful business man; permanency and top salary to right man. Apply, with photograph, wing full particulars, Galloways, Chemists, Birmingham.

REQUIRED, young qualified Assistant (Hall qualification insufficient); one with Hospital experience preferred; hours a.m. to 6 p.m.; afternoon duty every fourth Sunday. Apply to the Pharmacist, King's College Hospital, Denmark Hill, RE5

NQUALIFIED Assistant required (ontdoors), with know-ledge of Photographic trade in good-class Family and Dispensing business. State usual particulars and salary required. Arthur Pratt, Pharmacist, 17 College Parade, Salusbury Road (near Brondesbury Park Station), London, N.W.6.

NQUALIFIED Assistant wanted at once; young; capable and accurate Dispenser. Apply personally to Wavell & Co., 28 Vauxhall Bridge Road, Victoria, S.W.1.

WANTED, at once, gentlemanly Junior Assistant, used to high-class business; Toilet, Photographic, Dispensingstate salary and experience. 136/737, Office of this Paper.

WANTED, at once, Assistant; unqualified; good Dispenser, Counterman and Window-dresser; salary and commission; good prospects for the right man. Write or call, W. George's, Burnt Ash Road, Lee, S.E.

WANTED at once, M.P.S., J.C.Q.O., as Manager. 'Phone: Hounslow 2072.

WHOLESALE.

A DVERTISERS require active Representatives with good and live Chemist connections in Yorkshire, Durham, Northumberland, Cumberland, Scotland, N.E. and E. London and suburbs; commission 10%—20% and expenses £1 per week. 136/748, Office of this Paper.

BIG business in sixpenny Toilet range awaiting first-class Representatives with real selling ability; territories vacant, Lancashire, Cheshire and North Midlands, South-West Country, Eastern Counties, Scotland; attractive terms and permanency to successful salesmen. 136/744, Office of this Paper.

JUNIOR Ledger Clerk required for City Wholesale Druggists; previous experience essential. Apply, by letter, giving full particulars and salary, to 136/740, Office of this Paper.

LABORATORY Manager required (qualified), able to manufacture all Galenicals; good organiser and disciplinarian essential. State experience, age, and salary expected. P.C.B. 62/14, Office of this Paper.

LONDON Medical Detail Representative shortly required; must be well introduced to Consulting Physicians, Hospitals and Institutions; gentleman with Pharmaceutical qualifications and first-class knowledge of Endocrine Therapeutics desirable. Applicants should state age. experience, in confidence, Apply "Glands," 136/735, Office of this Paper.

NORTH LONDON Firm requires Shorthand-typist (lady) with knowledge of Chemical Trade, Card-indexing and Customs work. Send full particulars to 278/17, Office of this Paper.

PERFUMERY AND BEAUTY PREPARATIONS.—
Manager required for the Wholesale Department;
must have thorough knowledge of same, and be able
to engage, instruct, and control travellers and agents;
good prospects for an absolutely reliable and hardworking man. Apply, with full particulars, 136/734,
Office of this Paper.

REPRESENTATIVE (young) wanted by London Wholesale Druggists to call upon Shippers; only those with experience of the export drug trade need apply. State full particulars and remuneration expected to 135/732, Office of this Paper.

REPRESENTATIVE required by old-established London Wholesale Druggists for Lancs and Yorks, to call npon Doctors and Veterinary Surgeons; preference given to one with connection, and previous experience essential. Apply "Sacch. Lact.," 136/739, Office of this Paper.

REPRESENTATIVE required by a firm of Manufacturing Chemists to represent them, on commission, throughout London and suburbs; one having experience of the ground preferred, but not essential; possession of motor car would be an advantage; no objection to other lines being carried of a nonconflicting character. Write, stating full particulars first letter, enclosing recent photograph, 136/746, Office of this Paper.

SALES Manager required by progressive Company to control Agency Department, Chemists' Proprietary Goods, etc.; must be able to personally typewrite creative sales letters and control travelling staff; commencing salary £250 and commission; investment qualification of £250 necessary, in shares, on which 5 per cent. interest will be paid. Write fully, 135/731, Office of this Paper.

TABLET Maker; full experience in all departments. Give full details of experience and salary required, by letter. C. R. Harker, Stagg & Morgan, Ltd., London, E.1.

WANTED, first-class Travellers to carry well-known Safety Razor on good commission terms; state the territory worked and line carried. 136/741, Office of this Paper.

WEST-END Manufacturing and Retail Chemists require additional services in their Sales and Advertising Department; must be experienced in publicity sales schemes and in the "putting up" of pharmaceutical preparations; age 23-30. Send full particulars in first letter, stating when disengaged, to 136/742, Office of this Paper.

(COLONIAL, INDIAN AND FOREIG N.)

Talian Riviera.—Qualified Assistant, with first-class references, under 30, required early November to end March by leading Pharmacy; salary £16 per month; second class return fare paid. Apply, with full particulars, to "R. M.," 26 Via Legnano, Milan.

SOUTH AFRICA.—Wanted, young man to undertake the Manufacture and Packing of Talcum Powder, Insect Powder, Tooth Powder, and kindred lines. Reply, giving ago qualifications, and salary required, to "X. Y. Z.," 135/722. Office of this Paper.

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SITUATIONS WANTED.

RETAIL. [HOME.]

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

A.A.A.—EXPERIENCED all-round Assistant, middleexcellent references; not afraid of work; reasonable salary; London or provinces; disengaged; offers invited; unregistered. "Active," BM/ZP6N, London, W.C.1.

A.A.—EXPERIENCED West End and Continental, good suburban management, age 30, desires Managership or Senior position; qualified. "Opocaleine," 278/9, Office of this Paper.

A.A. -EXPERIENCED Assistant; Dispensing, Counter and Window, etc.; aged 27; married; 12 years in Retail pharmacy; Loudon and provincial; unqualified; capable of taking charge. 279/21, Office of this Paper.

A.—QUALIFIED lady, young, experienced, energetic, with initiative, seeks post at a busy Pharmacy, London; managing at present. Write "B.," P.C.B. 62/2, Office of this Paper.

A CAPABLE Manager, 36, married, requires post in London (preferably with view to succession); good all-round experience in Retail Pharmacy and Store; tall, of good personality and initiative; total abstainer; tactful Salesman, or would fill any position of trust. "Reliable," 21 Whittingstall Road, Parsons Green, S.W.6.

A LADY, having passed Materia Medica and Chemistry, and has locum experience, desires post as Improver; moderate salary. 279/15, Office of this Paper.

"A RELIABLE qualified man; excellent references; middleaged; anything. "Chemist," 22 Cotton Lane, Moseley, Birmingham.

A DVERTISER requires position as Manager or Locum; 34; tall; speaks French; R.P.U. Register; disengaged. "Pharmacist," c/o Baker, 93 Putney Bridge Road, S.W.

A MBITIOUS Young Man, qualified, at present managing in Home County, desires change; South Eugland preferred; highest testimonials as to efficiency, 277/37, Office of this Paper.

A N Assistant, eight years' good all-round experience, desires position in or near town with college for Part II. 278/23, Office of this Paper.

A PPRENTICESHIP required by young man, 18; between Hammersmith and Hounslow districts preferred. Coombs, 55 Manor Avenue, Hounslow West.

As experienced man, Manager, Senior, Drug Stores; Prescriber, Salesman, Dispenser; quick, accurate, neat. "G.," 130 Scott-Ellis Gardens, N.W.8.

A S Manager; elderly; energetic; highest testimonials as to efficiency. "M.P.S.," Tamar House, Stourvale, Christ-church.

A SSISTANT or Locum; Counter, Dispensing, Photography; energetic; active; unqualified; good references. "K.," 62 Blenheim Road, East Ham, E.6.

A SSISTANT or Drug Store Manager; quick Dispenser and Counterman; Prescriber, Window-dresser; experienced. Harries, 11 Trigon Road, S.W.8.

A SSISTANT, 24, 5 ft. 11 in., Part I, desires position in goodclass pharmacy; Dispensing, Counter, Window-dressing. Cotton, 44 St. Mary's Road, Cromer.

A SSISTANT or Locum; London district; middle-aged; unqualified; abstainer; Dispensiug, Counter; disengaged. G. Fall, 105 Tottenham Lane, Hornsey, N.8.

A SSISTANT, experienced, excellent Dispenser, requires permanent situation; could manage Drug Stores. Write "M. B.," c/o 27 Lancaster Gardens, Southend.

A SSISTANT; 24; tall; capable; good-class Dispensing, Photo, Counter and Window Display; excellent references. "P. P.," 14 Gipton Terrace, Leeds.

A SSISTANT, 24, 6 years' experience, Counter, N.H.I., Photographic, Window-dressing, good references, desires situation da Birmingham, Newport or Cardiff. G. Morgan, 20 Walmer Road, Chepstow Road, Newport, Mon.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTI-MONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &cc., is one of some difficulty.

A SSISTANT (lady) requires post; 7 years' experience, Counter and Dispensing. Williams, "Beacondale," Ashcombe Park Road, Weston-super-Mare.

A T liberty; qualified man; experienced; full or part time; W.5. "Chemist," "Lauriston," Disraeli Road,

PIRMINGHAM or district preferred; as Manager; qualified; experienced; preferably with view to interest in business or succession; disengaged. 277/34, Office of this Paper.

BRANCH Manager; qualified; 16 years' successful record; married (accommodation optional); diseugaged when suited. B. M. J.," 621 Forest Road, Walthamstow, E.17.

CHEMIST'S Counterhand (lady); 11 years' experience in highclass pharmacy; undeniable references; Midlands or Cheltenham preferred. "Rhei," 161 Park Street South, Wolverhampton.

CITY.-Experienced; smart; excellent London references; age 39; unqualified. W. Briggs, 24 Edencourt Road, Streatham.

DISENGAGED November 3; qualified; all-round experience; Locum (permanency or part time; London). "Pharmacist," 156 Lower Road, Clapton, E.5.

DISENGAGED.—Assistant; West-End experience; age 35; Locum or permanency. Arthur, 62 Caldecot Road, Denmark Hill, S.E.5.

Dispenser (lady) desires post; Locum or permanency; 15 years' excellent experience; free now. 273/17, Office of this Paper.

DISPENSER (Hall), doctor's niece, young, requires post with Doctor or Hospital; references; 10s. week to gain experience; good motor driver. 276/23, Office of this Paper.

DISPENSER and Book-keeper; unqualified; age 30; 12 years' Surgery and Poor Law experience; ex-Service; references; disengaged. "Dispenser," 55 Farman Road, Coventry.

DOCTOR'S daughter; qualified; 15 years' experience; free now; excellent Book-keeper; Locum or permanent. Westlake, "Claremont," Maidenhead.

ELDERLY Manager desires position, whole or part time, or qualified Supervisor to limited company; splendid references. "H.," 18 Westmorland Road, Bayswater, W.2.

EXPERIENCED Dispenser (lady) free for Locum or part-time work, Doctor, Institution, or Chemist, N.H.I.; Hall; excelent references. "M.," 25 Sisters' Avenue, Clapham Common, S.W.11.

EXPERIENCED Chemist desires post as Manager; first-class references; present business changed ownership; married. "Qualified," 23 Cranbrook Road, Ilford.

RXPERIENCED Assistant, unqualified, 35, desires post, goodclass business; Lancs preferred; diseugaged. 279/16, Office of this Paper.

JUNIOR, 20, requires situation; all-round experience; London or South Wales preferred, not essential; moderate salary. Apply Richards, 28b Seaside, Eastbourne, Sussex.

JUNIOR, young (24), unqualified, seeks progressive position with firm in W., S.W. or Central London; excellent Counterman, Dispensing and Window-dressing; unimpeachable references. "K.," 10 Gt. Prescott Street, E.1.

JUNIOR Assistant; age 20; first-class Dispensing, Counter and Photographic; disengaged October 31. J. Sandsman, 3 Alderney Road, Mile End.

JUNIOR Assistant, all-round experience, excellent Windowdresser, seeks permanency. 279/20, Office of this Paper. LADY, 21, unqualified, thoroughly experienced in all departments of high-class Dispensing business, desires post in London. Purssell, c/o Pugh, Chemist, Bnxton.

LADY; 28; M.P.S.; 11 years' experience; at present managing; good references. Butler, "Bryn-drw," Glyn Ceirlog, near Wrexham, Denbigh.

LADY Assistant; unqualified; 27; 6 years' experience, Counter work, etc.; no dispensing; references; disengaged; London or snburbs. 276/18, Office of this Paper.

LADY, qualified, thoroughly experienced all branches Retail, requires Locums or permanency. 50 Albien Road, Hampstead.

I ADY seeks position as Book-keeper-Assistant to Chemist; good Counter experience; 102 years at last situation; good reference; near London preferred; disengaged. "M. B." 30 Acacia Grove, West Dulwich.

LOCUM or permanency, where qualified service is required; experienced Dispenser and Manager; moderate salary. 275/19, Office of this Paper.

L OCUM or Manager; all-round experience; highest references; qualified; disengaged. "Chemist," 85 Roll Gardens, Ilford.

LOCUM; qualified; young; from October 29 to November 12 inclusive; good references. H. Carlton, 113 Waldegrave Road, Brighton.

LOCUM or temporary; qualified; age 32; all-round experience, including management. "Locum," c/o Tyler, Chemist, Swinton, Manchester.

LOCUM.—Lady Dispenser (Hall); experienced; also book-keeping and typewriting; disengaged November 20. 278/21, Office of this Paper.

LONDON AREA.—Qualified, 25, height's ft. 9 in., as Manager; West-End and provincial experience; Photo, Windows, etc.; interview as required. 270/26, Office of this Paper.

MANAGER or Senior; 45; qualified; abstainer; accustomed to management; good all-round experience; disengaged November 3. Patterson, South View, 25 Waterloo Crescent, Dover.

MANAGER; qualified; experienced in all branches; excellent references; just completed four months' locum work; trustworthy and competent; West of England preferred. "Chemist," 4 Shelburne Terrace, Calne, Wilts.

MANCHESTER.—Lady Assistant; unqualified; age 23; quick Dispenser and full knowledge of Retail trade; 8 years' experience; capable of taking charge. "Statim," 5 Broomfield Street, Cheetham, Manchester.

M.P.S. DESIRES permanency in good-class business as manager; ambitious, quick, capable; excellent references; knowledge of Photography; age 24; height 5 ft. 10 in.; experience, 7½ years in trade; free November 10. Uttley, 5 Deyne Street, Seedley, Salford, Manchester.

M.P.S. -LADY (22), with good all-round experience, desires post in high-class Dispensing business; London, Home Counties or South Coast. 'Phone: Ealing 4063. Harris, 8 Kerrison Road, W.5.

M.P.S. UNIVERSITY Graduate, with excellent experitiondon. P.C.B. 62/16, Office of this Paper.

PART-TIME post desired by Student; evenings and/or weekends; excellent experience. "H. G. V.," 361 Clapham Road, 8.W.9.

PERMANENCY.—Experienced Assistant; thoroughly competent all branches; accustomed management; 27 years' undeniable references; age 41; unqualified; height 5 ft. 9 in.; disengaged November 12; married. What offers? Holroyd, 13 Slade Road, Swinton, nr. Rotherham.

PHARMACIST, 32, married, own business last 6 years, desires position as Manager. Please give particulars and salary offered to 279/35, Office of this Paper.

PHARMACIST, age twenty-three, first-class Dispenser, Counter and Photographic, desires change; could start week from reply. 279/5, Office of this Paper.

QUALIFIED, 22, desires position as Assistant in London; Locum or permanency. "M.P.S.," 4 Botham Street, Moss Side, Manchester.

QUALIFIED, Scot, 25, excellent Dispensing experience, desires situation; City preferred, but not essential; excellent recommendations; experienced in all branches; at present in East London; disengaged month's notice. 276/9, Office of this Paper.

QUALIFIED, 26, requires part-time work, busy evenings, Sunday duty, or by arrangement; Clapham district preferred. 276/17, Office of this Paper.

QUALIFIED; Branch Manager; 37; married; fully experienced; energetic; capable; excellent references; town or country; house if available. 276/33, Office of this Paper.

QUALIFIED gentleman, experienced high- or working-class districts, seeks re-engagement, Managership or Head Assistant; quick, reliable Dispenser, attractive Window-dresser; up to date; moderate salary if permanency; Birmingham or Midlands preferred; excellent references. 276/32, Office of this Paper.

QUALIFIED, 22, desires experience in South (Hastings district preferred); wages secondary consideration. "M.P.S.," 37 Bohemia Road, St. Leonards-on-Sea.

QUALIFIED (recently), 21, Square trained, as Senior or Manager; all-round experience; good references. W. Ziman, 66 Kenninghall Road, London, E.5.

QUALIFIED, 30, disengaged shortly, desires berth as Manager; permanency preferred. Wilson, 105 Kensal Road, W.10.

QUALIFIED; 24; disengaged; experienced Dispenser. Brierley, Draycott, Derby.

QUALIFIED, 21, male, Square trained, tall, desires position in high-class Pharmacy; Manchester, Liverpool, Birmingham, Chester preferred; references. King, 20 Wolverton Avenue, Blackpool.

QUALIFIED desires post; excellent Dispensing and Counter experience. S. A. Wells, Saltom Road, Whitehaven.

QUALIFIED, 23, desires situation, Yorkshire district; good all-round experience; excellent references; disengaged. Atkinson, "Clifton," Dodworth Road, Barnsley.

QUALIFIED Locum; thorough experience; long or short periods; disengaged; registered R.P.U. "F.," 119 Fairlands Avenue, Thornton Heath.

QUALIFIED; 25, Dispensing, Counter and Photographic; as Assistant or Manager; free October 29. 278/54, Office of this Paper.

QUALIFIED Lady Pharmacist desires situation within easy reach of Oxford; age 25; seven years' Dispensing and Counter experience in London and country. 279/18, Office of this Paper.

QUALIFIED lady Dispenser, thoroughly experienced, highest references, desires position with Doctors, Institution or firm of Chemists. 279/22, Office of this Paper.

REXALL employer recommends qualified man for good-class Light Retail and Dispensing business, house required, as Manager or Senior. Apply "Rhei," 136/736, Office of this Paner.

S.E. OR West-End; thoroughly competent, trustworthy Manager; French (fluent) and German; over 15 years' experience; energetic, up to date; qualified; disengaged. Griffiths, 46 Chalsey Road, S.E.4..

STUDENT requires part-time work, evenings and Saturday; experienced. Flanders, 102 Brudenell Road, Upper Tooting, S.W.17.

UNQUALIFIED, 27, tall, married, 12 years' experience. competent all departments, desires permanency; disengaged November 19. Please state salary. "Bismuth," 22 Alexandra Road, Broadstairs.

UNQUALIFIED Assistant; 11 years' experience in Dispensing, Counter and Photography; good references; married. "W.," 39 Lavender Gardens, Clapham Junction.

WIDOW desires post; to live on premises; son aged 7; own furniture; small salary to regain experience; qualified 1919. Hutchinson, 27 Second Avenue, Carlton Hill, Notts.

YOUNG, qualified, all-round experience, requires situation where duties are mainly Dispensing. 276/26, Office of this Paper.

YOUNG man, engaged in Wholesale, would consider week-end Retail work; Clapham to Wandsworth district or West-End preferred. P.C.B. 62/5, Office of this Paper.

Young lady, tall, disengaged, desires situation in Retail; willing and obliging; interview if desired. P.C.B. 62/3, Office of this Paper.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

A DVERTISER desires post in Wholesale House; Sundries or Proprietary; 6 years' Eastern, 15 years' Continental Retail experience, last 8½ of which manager of pharmacy; energetic, not afraid of work. Please apply "Pharmacist," 274/28, Office

A SSISTANT, 12 years' experience in Retail Pharmacics, desires to represent Wholesale House; willing to work hard and go anywhere; aged 27; married; free on usual notice. 279/210, Office of this Paper.

EXPERIENCED Assistant seeks outdoor berth; six years present one; active, obliging, courteous; successful Salesman; unqualified. 278/14, Office of this Paper.

KEEN, energetic young Chemist, practical works and Laboratory experience, now engaged in Research, desires change, and requires position with a new and progressive firm specialising in Medicinal and Toilet Preparations; London area preferred. 278/30, Office of this Paper.

LIVE Salesman, 33, educated, smart appearance, desires representation (Chemicals or Sundries) in Birmingham area; competent to conduct correspondence and follow up inquiries and take control; interview appreciated; small salary basis to commence. 279/26, Office of this Paper.

M.S.C., M.P.S., with Laboratory and outdoor propaganda experience, secks post with good prospects. P.C.B. 62/160, Office of this Paper.

NE or two additional lines on commission wanted; Kent and Sussex. Full particulars, "Chemist," 86 Chelmsford Road, South Woodford, E.18.

PHARMACIST seeks position in Wholesale; preferably outdoors; own car; no connection; travelling experience. Please apply "Pharmacist," "Singleoak," The Chase, Wallington.

PEPRESENTATIVE, for any good house, waiting for a job; South Wales preferred; total abstainer; salary and com-mission. Apply 274/21, Office of this Paper.

REPRESENTATIVE requires position with Toilet or Proprietary House; good appearance and keen salesman. Norman, Newton Lane, Wigston, Leicester.

REFRESENTATIVE; sound connection West-Eud Stores, Chemists, Hairdressers, also Eastern Counties and West of England; own car; disengaged; willing to travel anywhere. P.C.B. 62/15, Office of this Paper.

REPRESENTATIVE, 10 years' established London connection, Wholesalers, Stores, Multiple Chemists, etc.. no mere order collector, seeks change. 136/745, Office of this Paper.

TOILET Representative, 8 years' connection London, Stores, Chemists, Ladies' Hairdressers, open to consider representation; salary and commission basis. 278/32, Office of this Paper.

TRAVELLER, with sound connection with London and suburban Chemists; disengaged, 135/716, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN).

A USTRALIAN, Irish qualification, experienced Retail, Whole sale, Travelling, desires suitable situation in Australia. 264/37, Office of this Paper.

FOR SALE.

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